

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102920\
 Data File : VU041012.D
 Acq On : 29 Oct 2020 12:08
 Operator : SY/MD
 Sample : L4485-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

Quant Time: Oct 29 12:38:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR102820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 12:31:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	111655	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113081	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	49474	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36300	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.92	69	29658	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.58	65	16757	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	4.67	46	167351	53.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.92%
24) Chloroform-d	5.08	84	73764	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.72	65	47415	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.74	84	132695	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.70	67	47925	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.90	98	105437	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.19	79	19335	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.64	63	112716	51.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.52%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	43268	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
66) 1,2-Dichlorobenzene-d4	12.19	152	40967	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2661	0.280 ug/L	93
3) Chloromethane	1.53	50	2431	0.244 ug/L	97
5) Vinyl chloride	1.61	62	2538	0.257 ug/L #	63
6) Bromomethane	1.87	94	1301	0.247 ug/L	91
8) Chloroethane	1.94	64	1626	0.257 ug/L	83
9) Trichlorofluoromethane	2.15	101	3328	0.243 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2457	0.310 ug/L #	83
12) 1,1-Dichloroethene	2.59	96	2291	0.303 ug/L #	1
13) Acetone	2.67	43	2519	1.284 ug/L #	52
14) Carbon disulfide	2.81	76	6312	0.262 ug/L	98
15) Methyl Acetate	2.98	43	1320	0.287 ug/L #	57
16) Methylene chloride	3.06	84	3874	0.429 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	4418	0.224 ug/L	92
18) trans-1,2-Dichloroethene	3.37	96	1766	0.230 ug/L	94
19) 1,1-Dichloroethane	3.89	63	4131	0.260 ug/L #	93
22) cis-1,2-Dichloroethene	4.68	96	2092	0.256 ug/L	79
23) Bromochloromethane	5.00	128	977	0.251 ug/L #	82

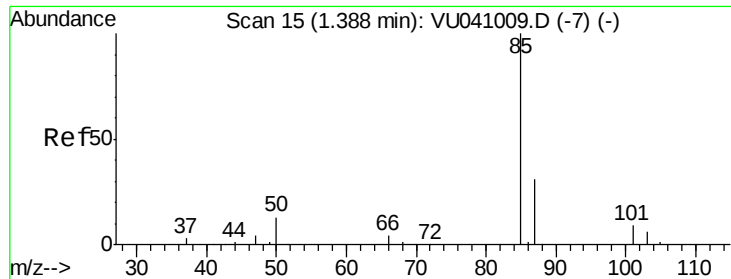
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.11	83	5610	0.346	ug/L	99
27) 1,2-Dichloroethane	5.81	62	3128	0.264	ug/L #	95
29) 1,1,1-Trichloroethane	5.33	97	3502	0.249	ug/L	96
30) Cyclohexane	5.40	56	2966	0.228	ug/L	96
31) Carbon tetrachloride	5.54	117	3022	0.252	ug/L	97
33) Benzene	5.79	78	8318	0.253	ug/L	100
34) Trichloroethene	6.56	95	2413	0.276	ug/L	83
35) Methylcyclohexane	6.77	83	3140	0.258	ug/L #	90
37) 1,2-Dichloropropane	6.80	63	2411	0.258	ug/L #	89
38) Bromodichloromethane	7.11	83	2900	0.249	ug/L #	99
39) cis-1,3-Dichloropropene	7.61	75	2851	0.231	ug/L	94
40) 4-Methyl-2-pentanone	7.80	43	16130	2.287	ug/L #	88
42) Toluene	7.97	91	7644	0.230	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	3600	0.313	ug/L	95
45) 1,1,2-Trichloroethane	8.40	97	1706	0.256	ug/L	98
47) Tetrachloroethene	8.56	164	1420	0.234	ug/L	82
48) 2-Hexanone	8.69	43	16279	3.077	ug/L	97
49) Dibromochloromethane	8.81	129	1986	0.258	ug/L	91
50) 1,2-Dibromoethane	8.93	107	1438	0.230	ug/L #	89
51) Chlorobenzene	9.45	112	5134	0.241	ug/L	96
52) Ethylbenzene	9.57	91	7684	0.223	ug/L	95
53) m,p-Xylene	9.69	106	2773	0.222	ug/L	92
54) o-Xylene	10.10	106	2527	0.212	ug/L	81
55) Styrene	10.11	104	4063	0.196	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.78	83	2076	0.241	ug/L	79
59) Bromoform	10.29	173	921	0.239	ug/L #	93
60) Isopropylbenzene	10.48	105	6394	0.223	ug/L	97
61) 1,2,3-Trichloropropane	10.82	75	1749	0.293	ug/L	92
62) 1,3,5-Trimethylbenzene	11.09	105	4836	0.210	ug/L	96
63) 1,2,4-Trimethylbenzene	11.47	105	4788	0.205	ug/L	93
64) 1,3-Dichlorobenzene	11.74	146	3539	0.247	ug/L	92
65) 1,4-Dichlorobenzene	11.83	146	3961	0.271	ug/L	97
67) 1,2-Dichlorobenzene	12.20	146	3597	0.259	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	169	0.123	ug/L #	89
69) 1,3,5-Trichlorobenzene	13.21	180	2630	0.268	ug/L	91
70) 1,2,4-trichlorobenzene	13.83	180	1733	0.209	ug/L	97
71) Naphthalene	14.08	128	2238	0.154	ug/L #	87
72) 1,2,3-Trichlorobenzene	14.32	180	1402	0.181	ug/L #	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 0.280 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

Instrument :

MSVOA_U

ClientSampleId :

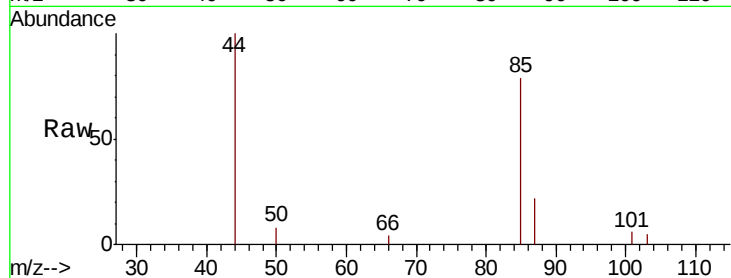
MDL-WATER-06

Tot Ion: 85 Resp: 2661

Ion Ratio Lower Upper

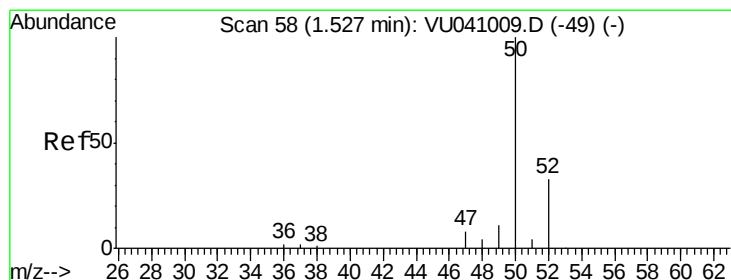
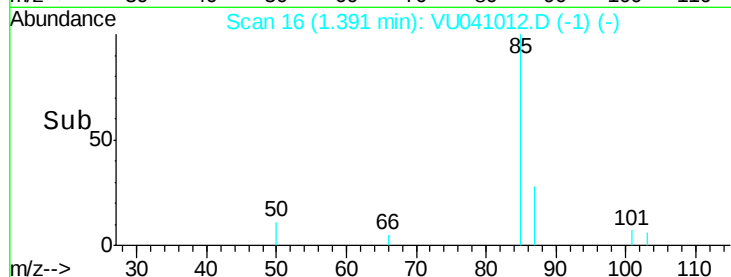
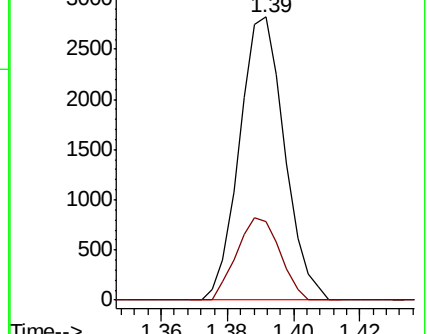
85 100

87 27.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.244 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041012.D

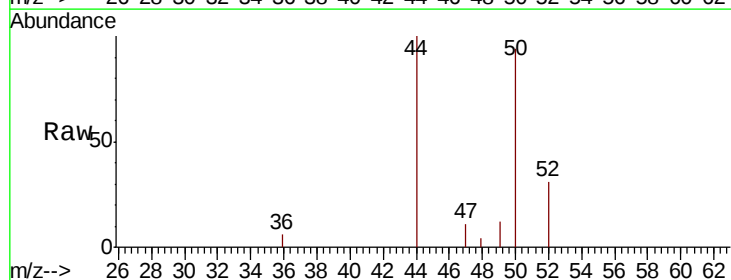
Acq: 29 Oct 2020 12:08

Tgt Ion: 50 Resp: 2431

Ion Ratio Lower Upper

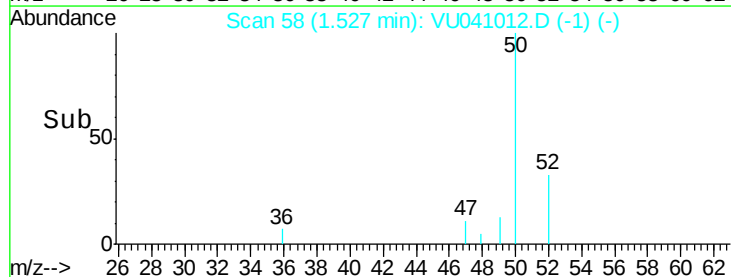
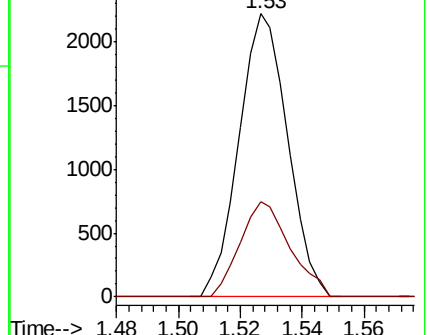
50 100

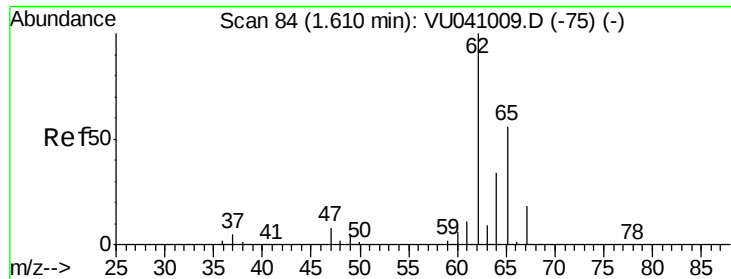
52 33.5 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.257 ug/L

RT: 1.61 min Scan# 85

Delta R.T. 0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

Instrument :

MSVOA_U

ClientSampleId :

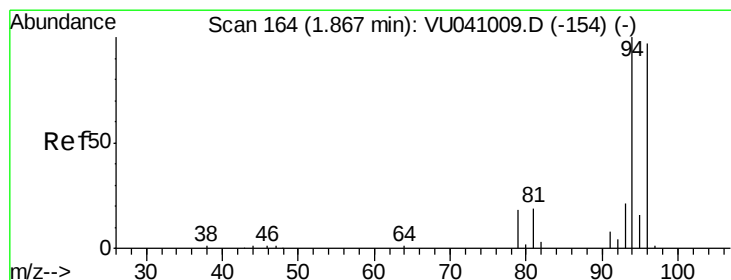
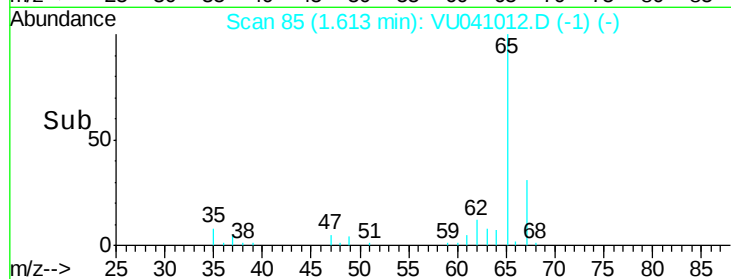
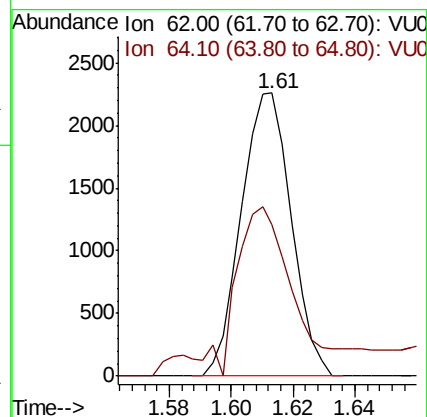
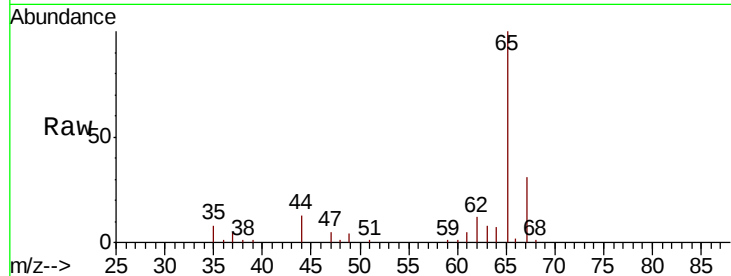
MDL-WATER-06

Tot Ion: 62 Resp: 2538

Ion Ratio Lower Upper

62 100

64 53.3 22.7 42.3#



#6

Bromomethane

Concen: 0.247 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041012.D

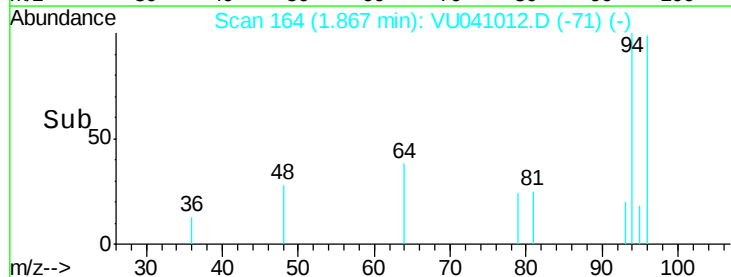
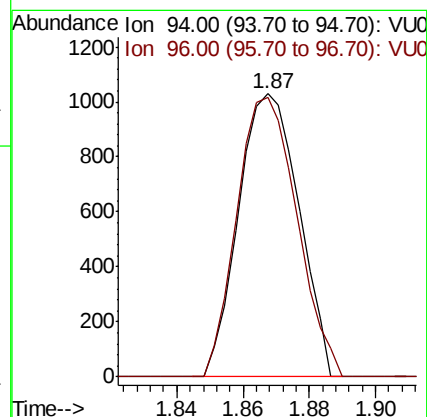
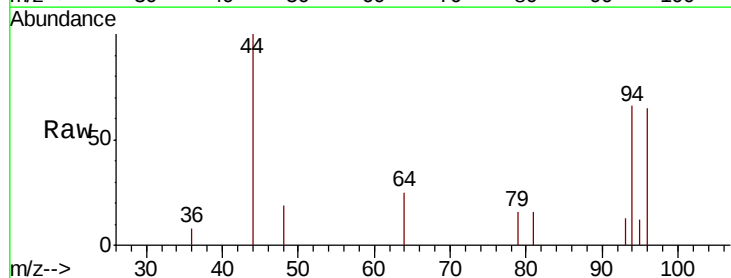
Acq: 29 Oct 2020 12:08

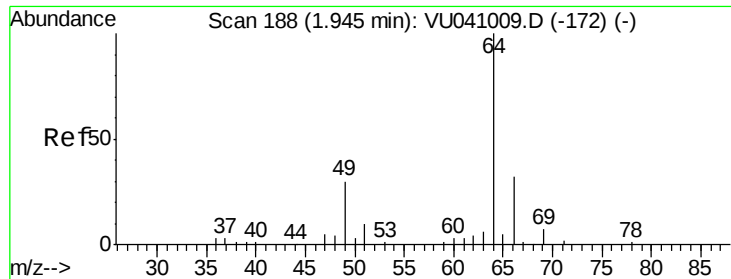
Tgt Ion: 94 Resp: 1301

Ion Ratio Lower Upper

94 100

96 98.6 63.2 117.4





#8

Chloroethane

Concen: 0.257 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

Instrument :

MSVOA_U

ClientSampleId :

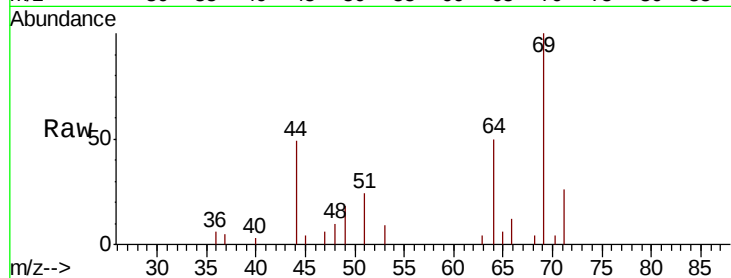
MDL-WATER-06

Tot Ion: 64 Resp: 1626

Ion Ratio Lower Upper

64 100

66 23.8 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VU041012.D (-95) (-)

Ion 66.05 (65.75 to 66.75): VU041012.D (-95) (-)

1.94

1500

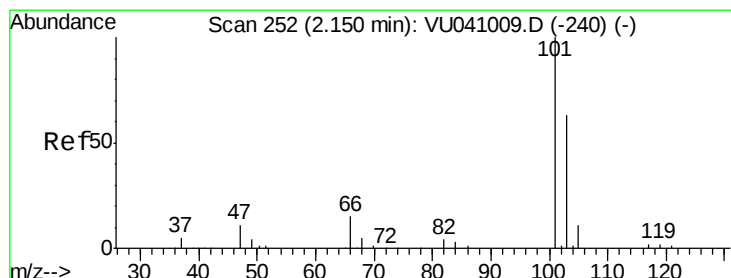
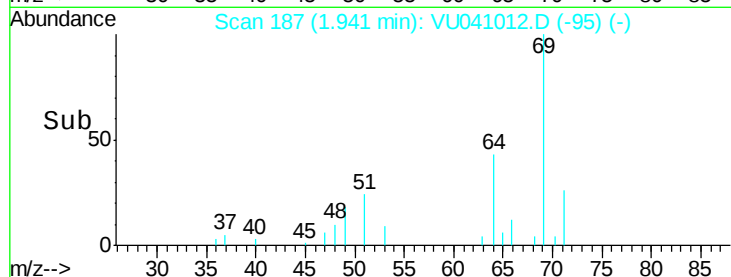
1000

500

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 0.243 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU041012.D

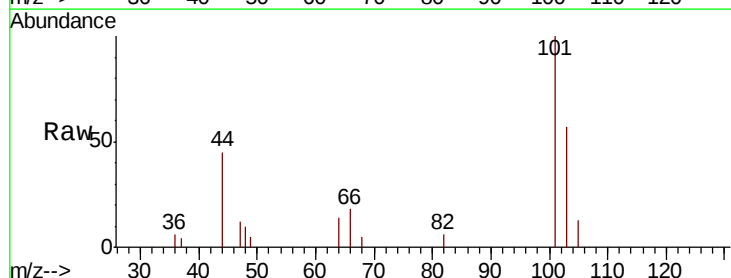
Acq: 29 Oct 2020 12:08

Tgt Ion: 101 Resp: 3328

Ion Ratio Lower Upper

101 100

103 70.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041012.D (-159) (-)

Ion 103.00 (102.70 to 103.70): VU041012.D (-159) (-)

2.15

3000

2500

2000

1500

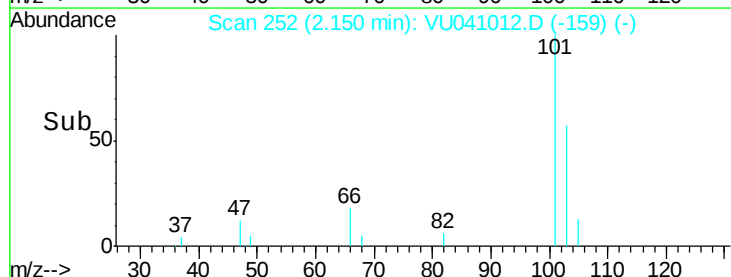
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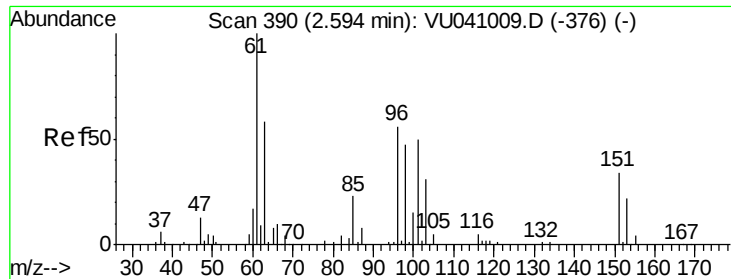
500

0

2.10 2.15 2.20

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.310 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-06

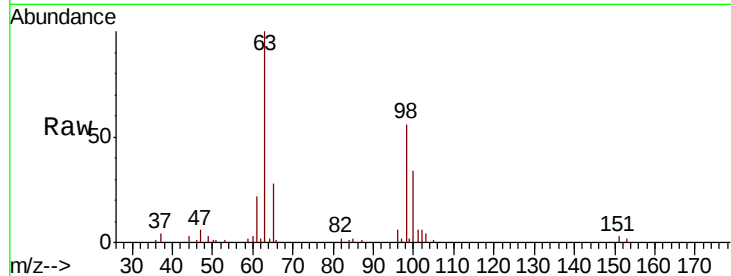
Tot Ion:101 Resp: 2457

Ion Ratio Lower Upper

101 100

85 40.5 38.1 57.1

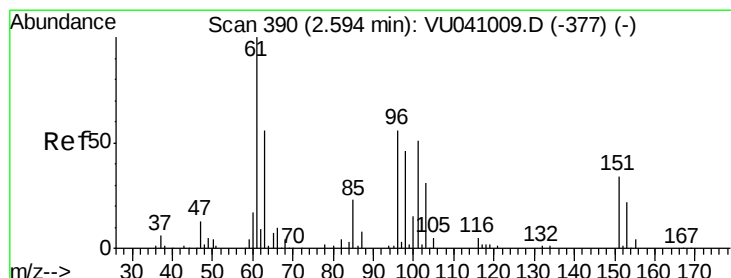
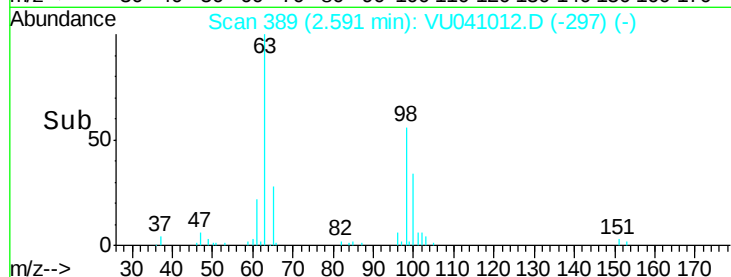
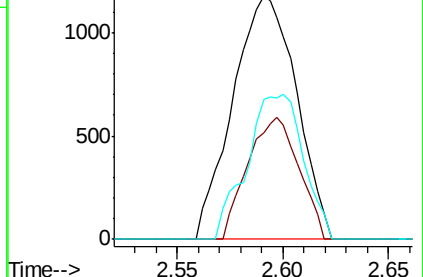
151 53.0 56.0 84.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.303 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

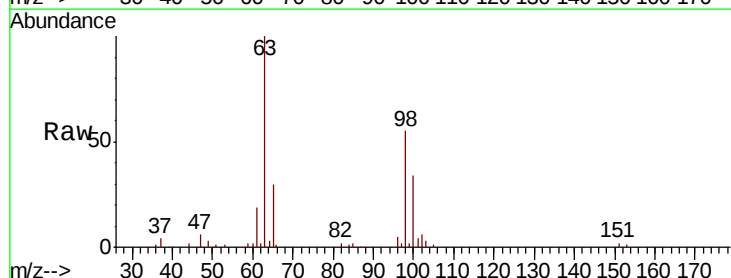
Tgt Ion: 96 Resp: 2291

Ion Ratio Lower Upper

96 100

61 387.4 130.2 241.8#

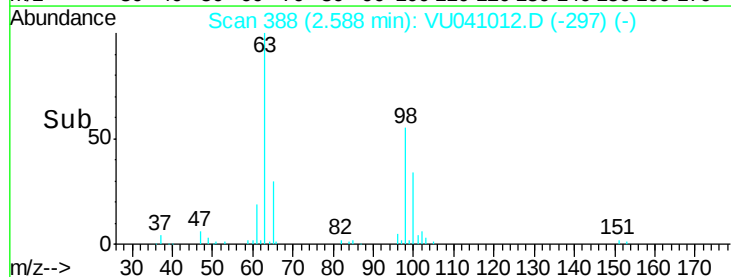
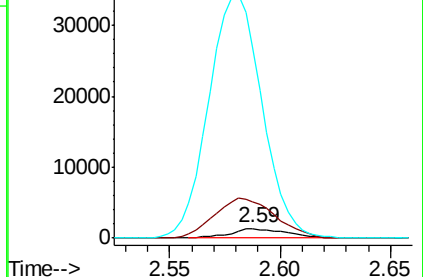
63 2046.4 83.7 155.5#

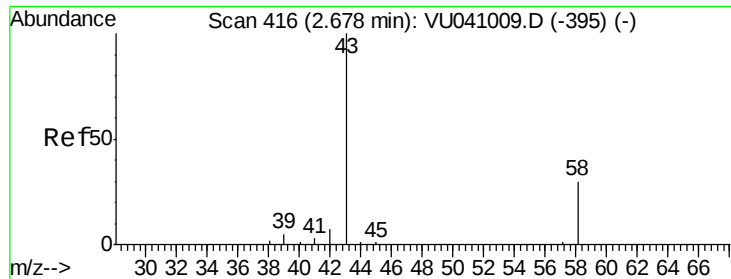


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.284 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

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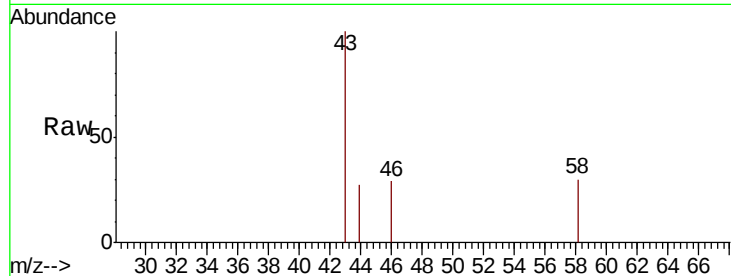
MDL-WATER-06

Tot Ion: 43 Resp: 2519

Ion Ratio Lower Upper

43 100

58 35.7 0.0 30.8#



Abundance Ion 43.05 (42.75 to 43.75): VU041012.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU041012.D (-323) (-)

2.67

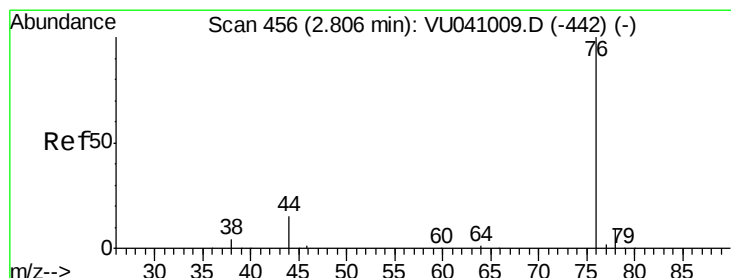
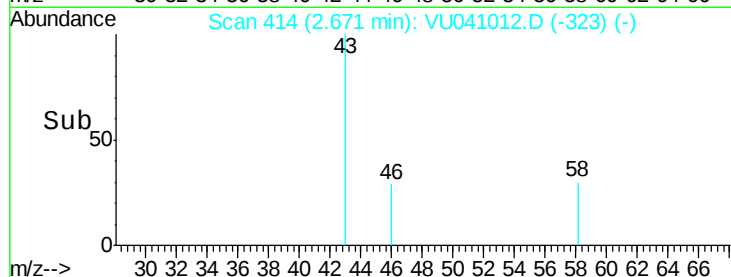
1000

500

0

Time-->

2.60 2.65 2.70



#14

Carbon disulfide

Concen: 0.262 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041012.D

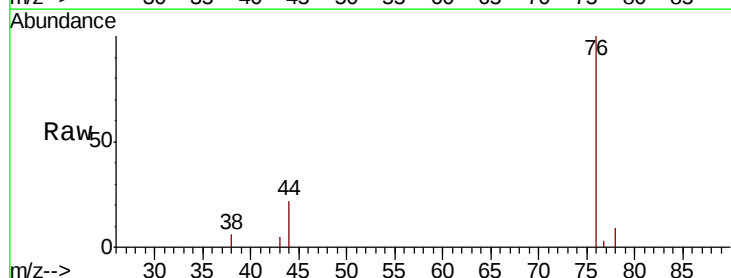
Acq: 29 Oct 2020 12:08

Tgt Ion: 76 Resp: 6312

Ion Ratio Lower Upper

76 100

78 8.8 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU041012.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041012.D (-363) (-)

2.81

4000

3000

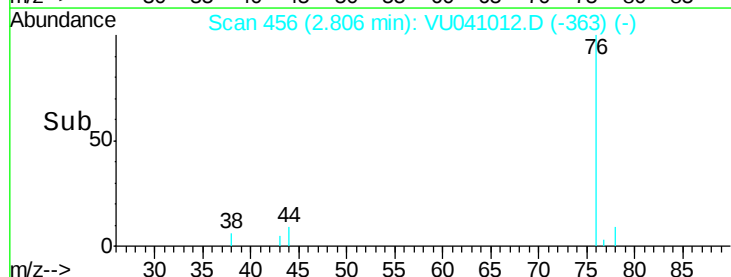
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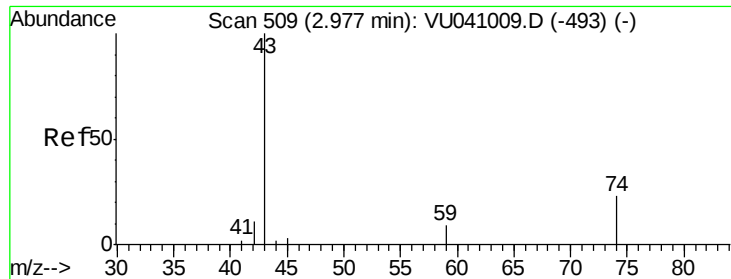
1000

0

Time-->

2.75 2.80 2.85





#15

Methvl Acetate

Concen: 0.287 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

Instrument :

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ClientSampleId :

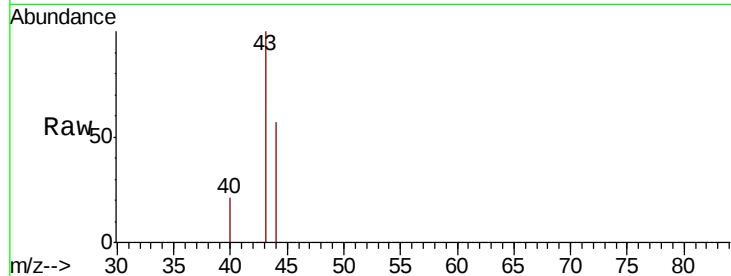
MDL-WATER-06

Tot Ion: 43 Resp: 1320

Ion Ratio Lower Upper

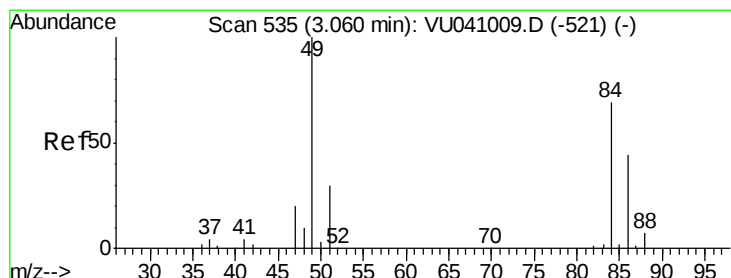
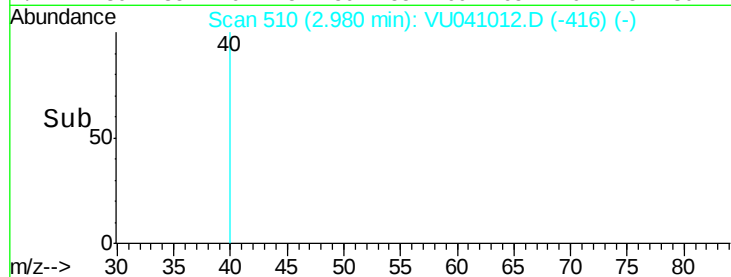
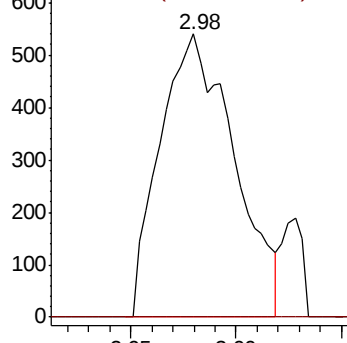
43 100

74 0.0 15.6 23.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.429 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

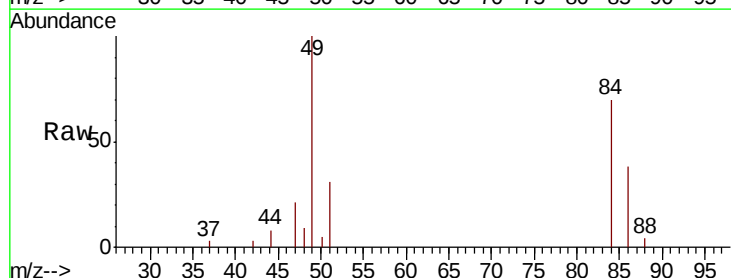
Tgt Ion: 84 Resp: 3874

Ion Ratio Lower Upper

84 100

86 55.3 44.2 82.0

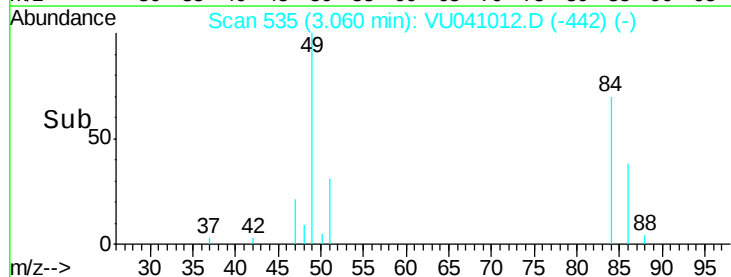
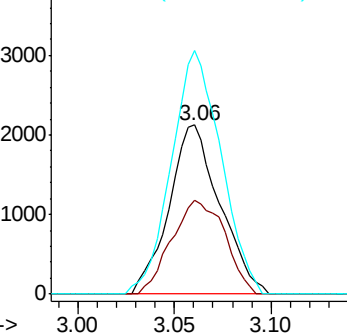
49 143.8 99.3 184.3

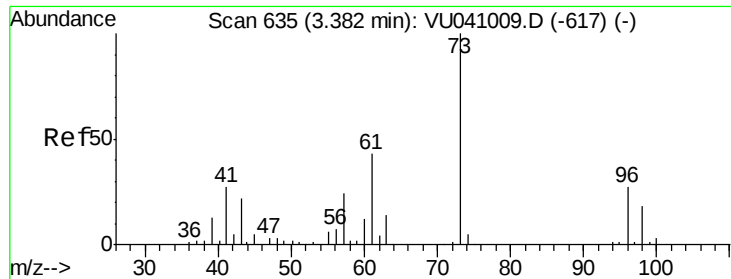


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

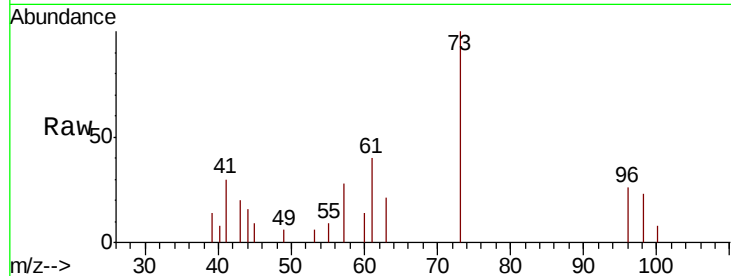




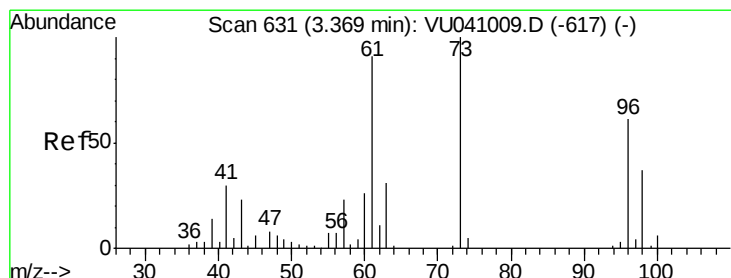
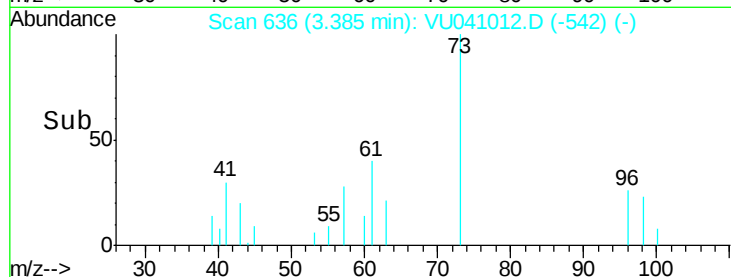
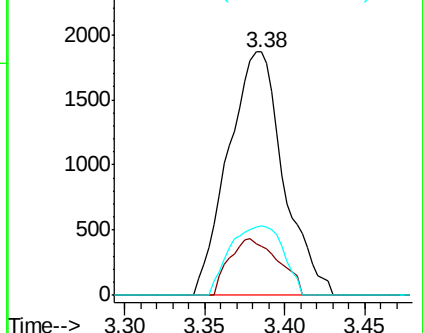
#17
Methvl tert-butvl Ether
Concen: 0.224 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU041012.D
Acq: 29 Oct 2020 12:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-06

Tot Ion: 73 Resp: 4418
Ion Ratio Lower Upper
73 100
43 20.7 19.5 29.3
57 27.5 18.9 28.3

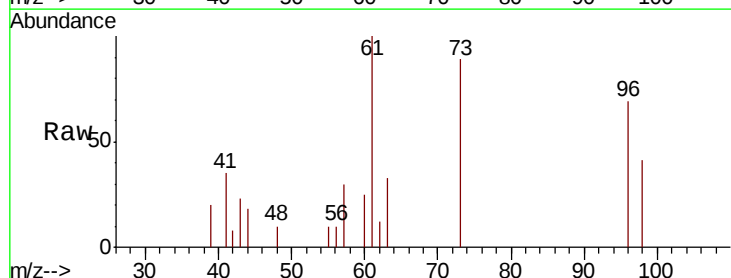


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

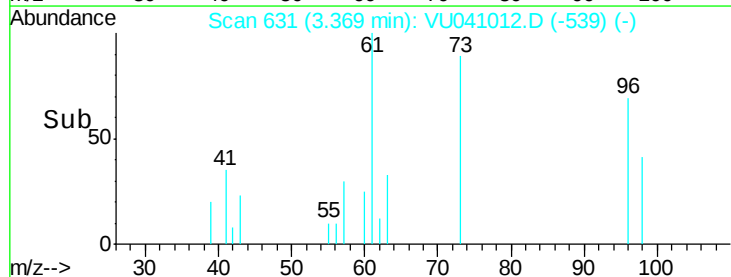
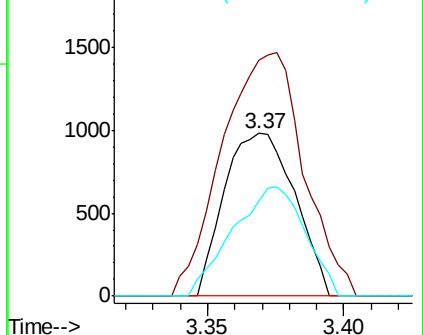


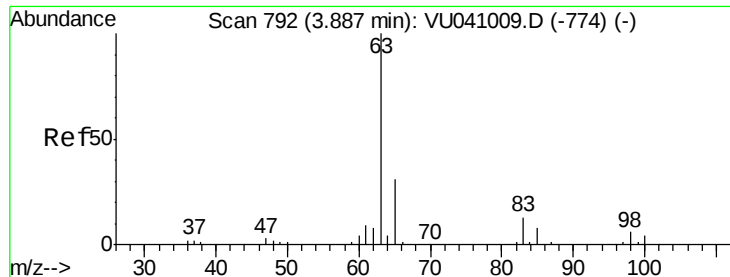
#18
trans-1,2-Dichloroethene
Concen: 0.230 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041012.D
Acq: 29 Oct 2020 12:08

Tgt Ion: 96 Resp: 1766
Ion Ratio Lower Upper
96 100
61 144.8 107.2 199.0
98 58.8 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

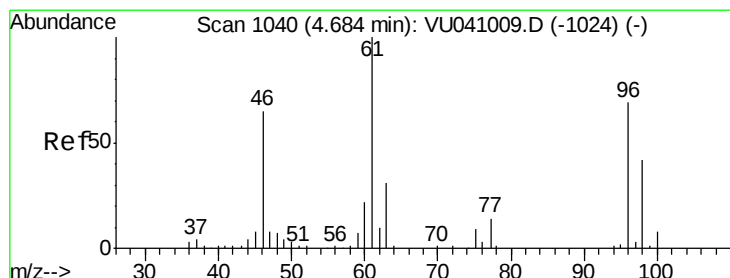
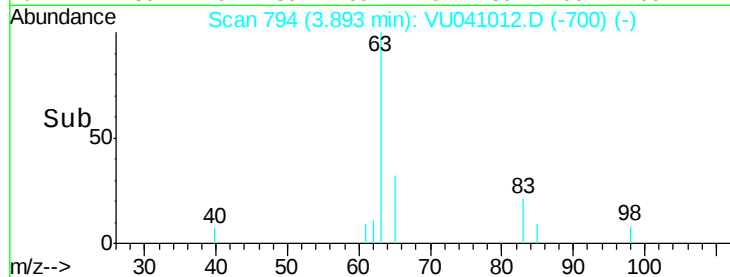
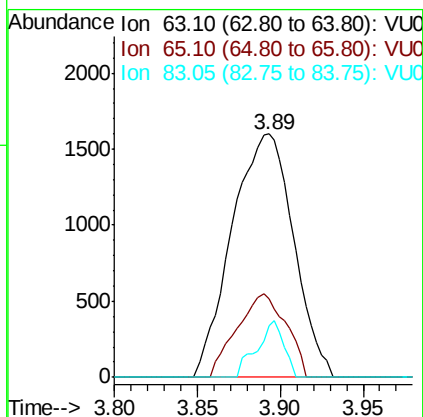
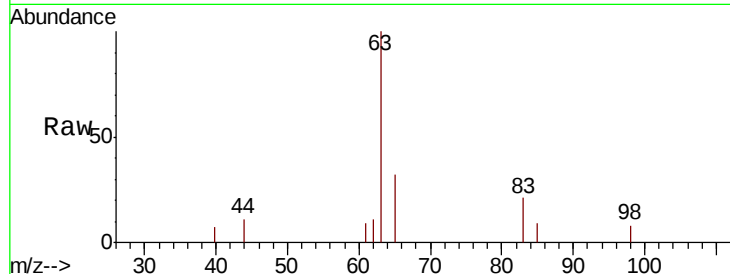




#19
 1,1-Dichloroethane
 Concen: 0.260 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

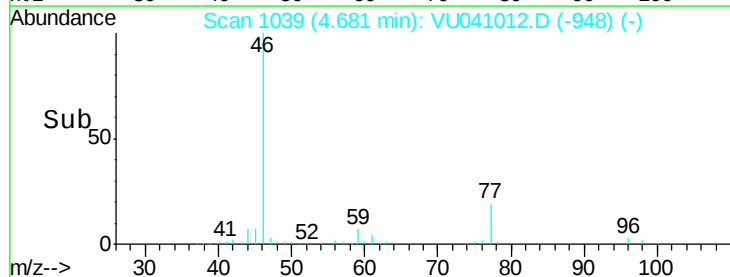
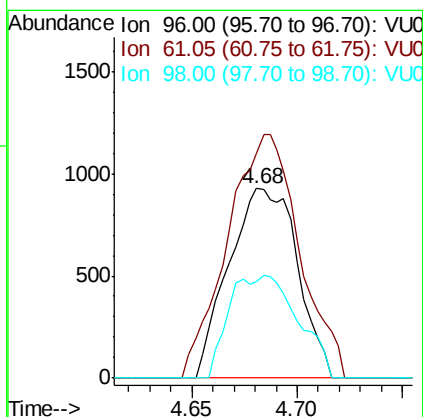
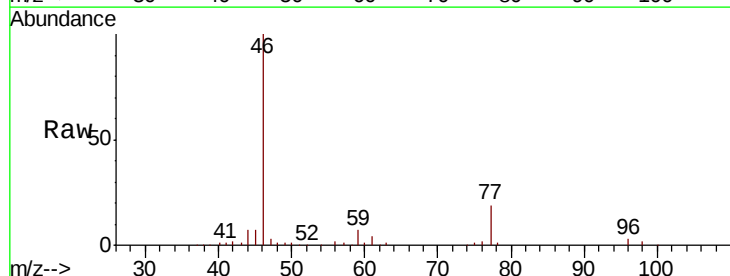
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

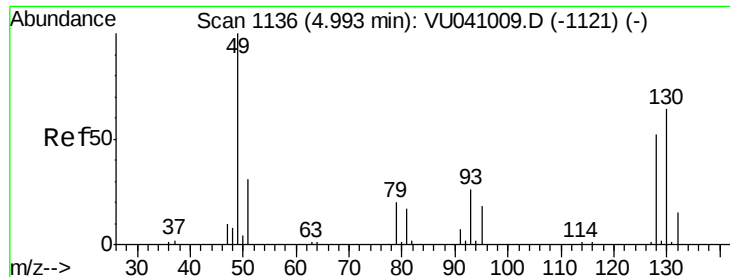
Tot Ion: 63 Resp: 4131
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.8 40.4
 83 21.0 9.3 17.3#



#22
 cis-1,2-Dichloroethene
 Concen: 0.256 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

Tgt Ion: 96 Resp: 2092
 Ion Ratio Lower Upper
 96 100
 61 118.4 101.7 188.9
 98 50.6 46.4 86.2

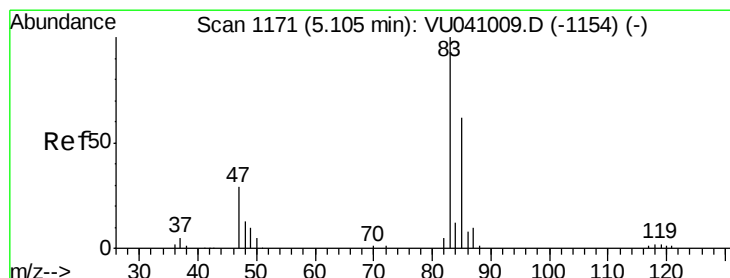
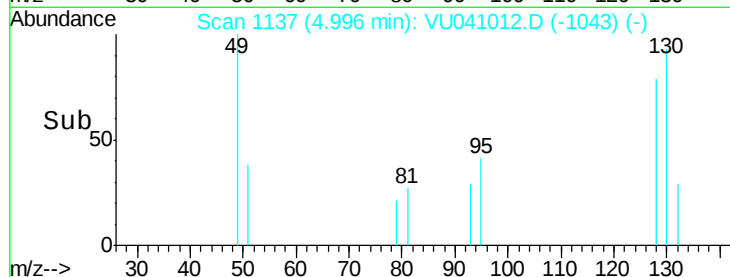
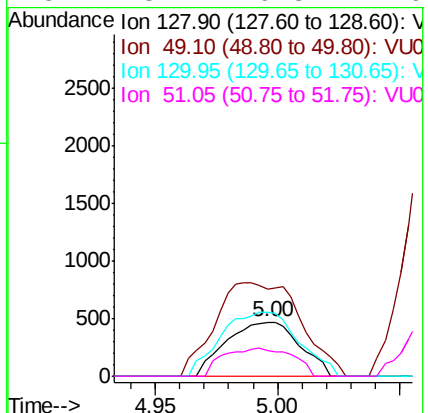
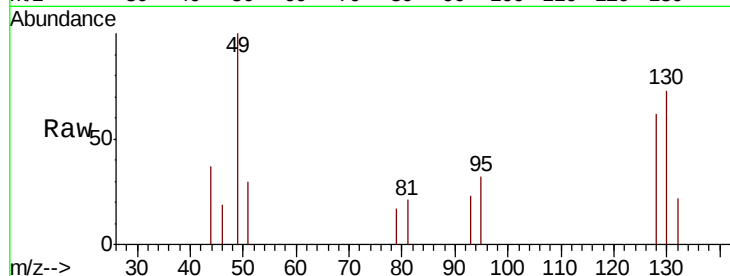




#23
Bromochloromethane
Concen: 0.251 ug/L
RT: 5.00 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VU041012.D
Acq: 29 Oct 2020 12:08

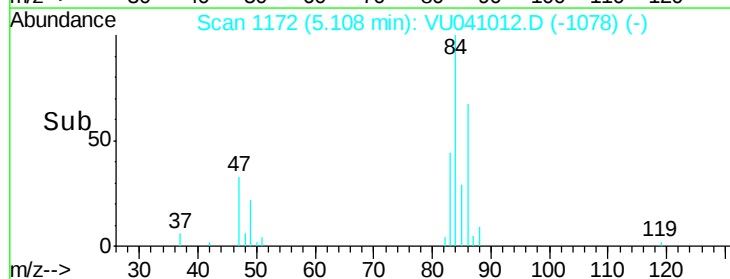
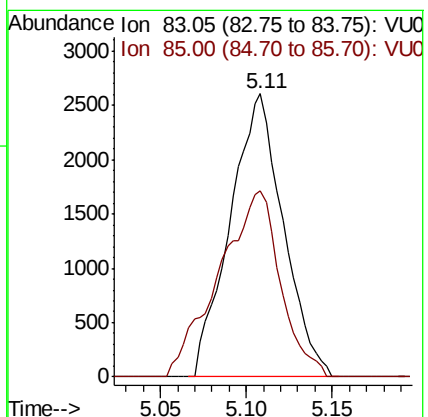
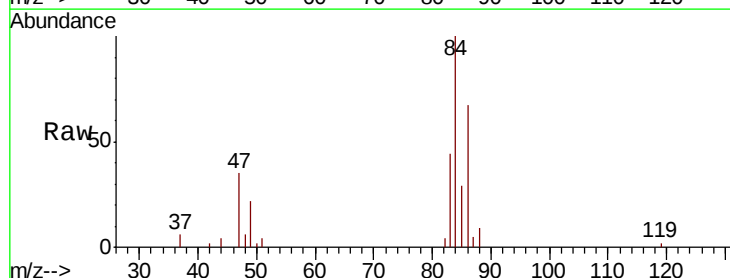
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-06

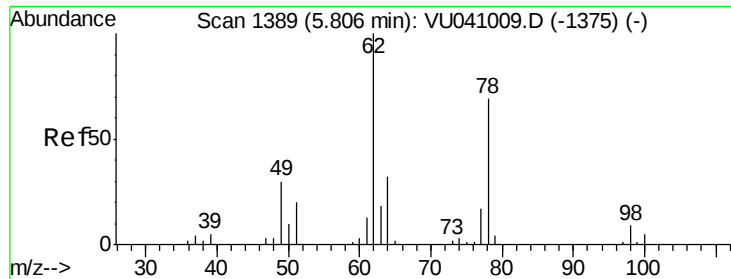
Tot Ion:128 Resp: 977
Ion Ratio Lower Upper
128 100
49 161.6 137.5 255.4
130 118.3 90.2 167.4
51 48.4 49.8 74.6#



#25
Chloroform
Concen: 0.346 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041012.D
Acq: 29 Oct 2020 12:08

Tgt Ion: 83 Resp: 5610
Ion Ratio Lower Upper
83 100
85 65.6 45.5 84.5

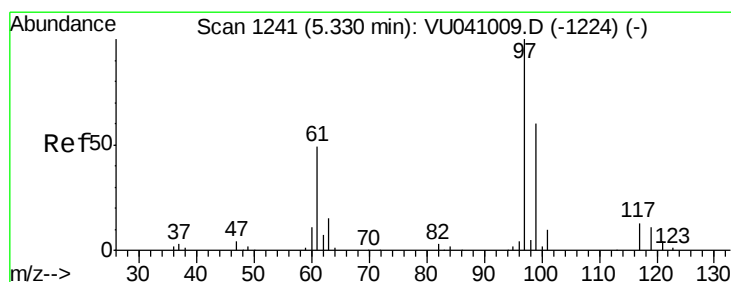
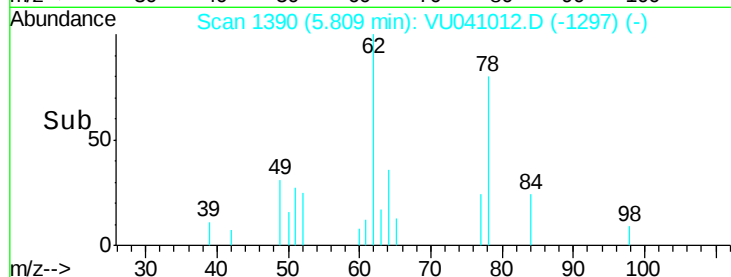
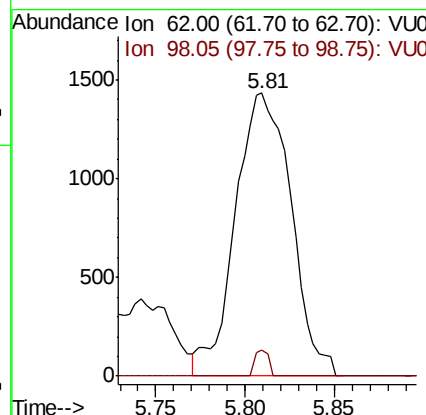
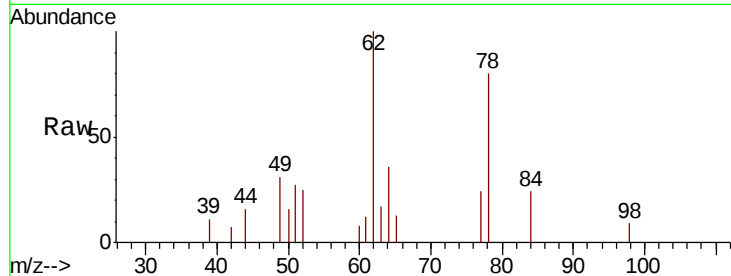




#27
 1,2-Dichloroethane
 Concen: 0.264 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

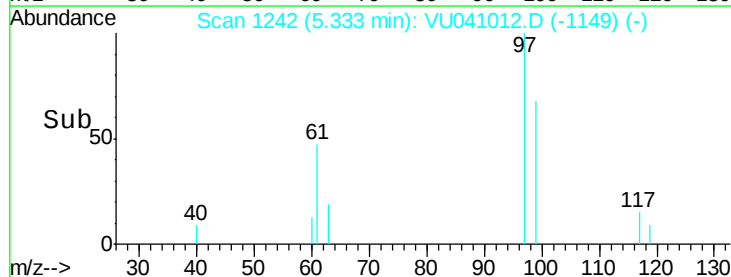
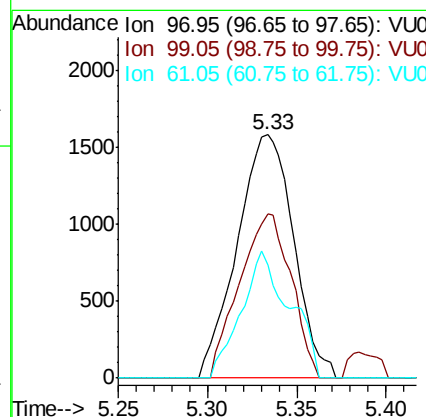
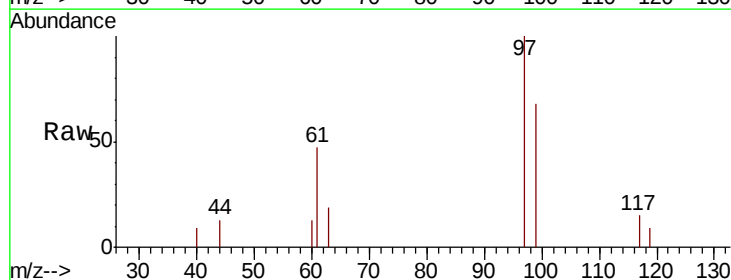
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

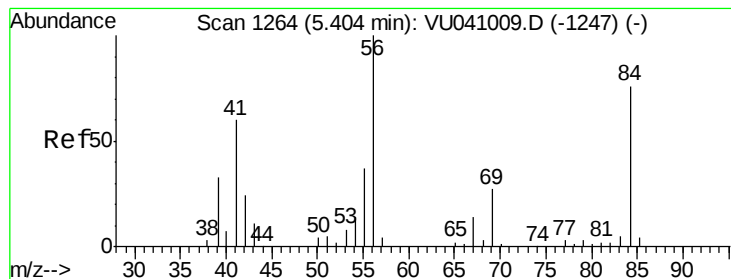
Tot Ion: 62 Resp: 3128
 Ion Ratio Lower Upper
 62 100
 98 9.4 6.1 9.1#



#29
 1,1,1-Trichloroethane
 Concen: 0.249 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

Tgt Ion: 97 Resp: 3502
 Ion Ratio Lower Upper
 97 100
 99 61.5 50.2 75.2
 61 44.6 39.6 59.4





#30

Cyclohexane

Concen: 0.228 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-06

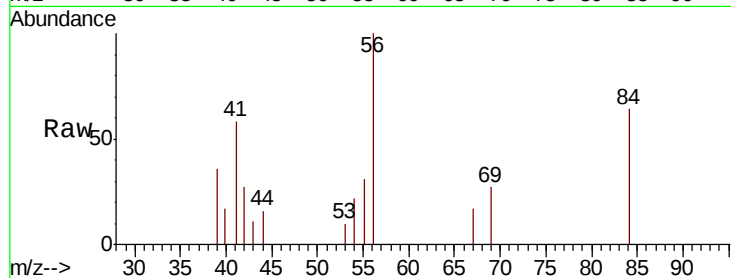
Tot Ion: 56 Resp: 2966

Ion Ratio Lower Upper

56 100

69 24.1 23.2 34.8

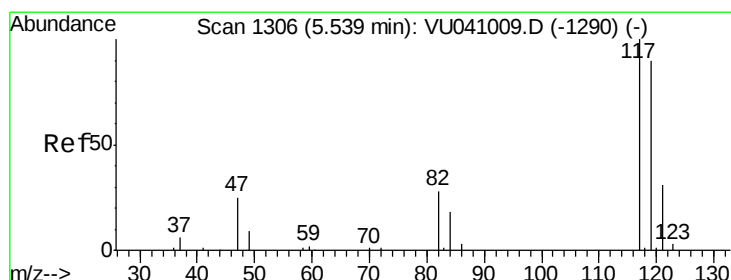
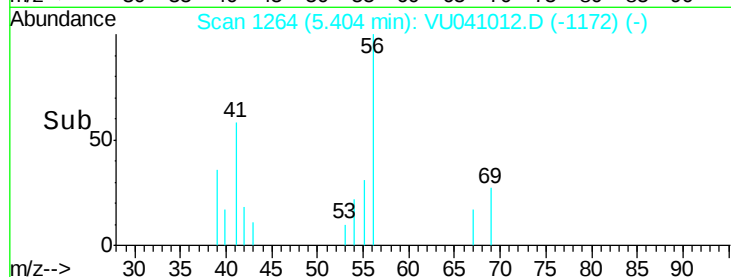
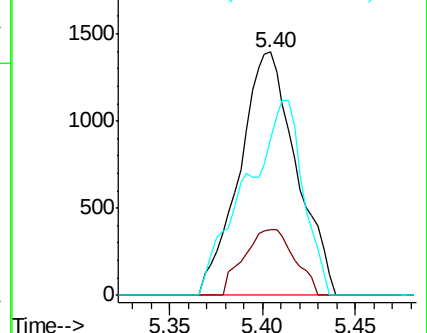
84 81.0 62.9 94.3



Abundance Ion 56.10 (55.80 to 56.80): VU041012.D (-1172) (-)

Ion 69.15 (68.85 to 69.85): VU041012.D (-1172) (-)

Ion 84.15 (83.85 to 84.85): VU041012.D (-1172) (-)



#31

Carbon tetrachloride

Concen: 0.252 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041012.D

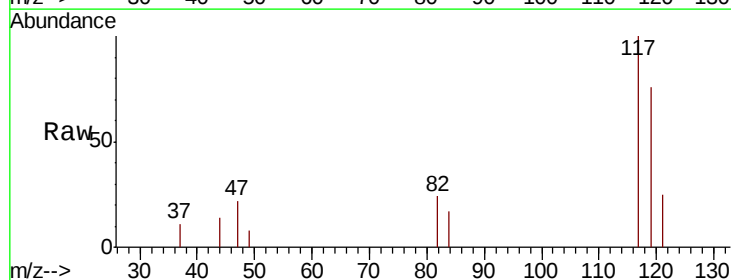
Acq: 29 Oct 2020 12:08

Tgt Ion: 117 Resp: 3022

Ion Ratio Lower Upper

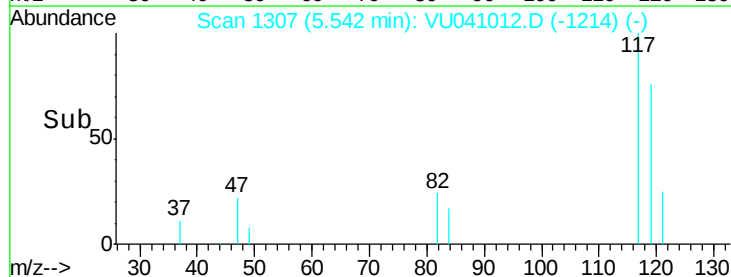
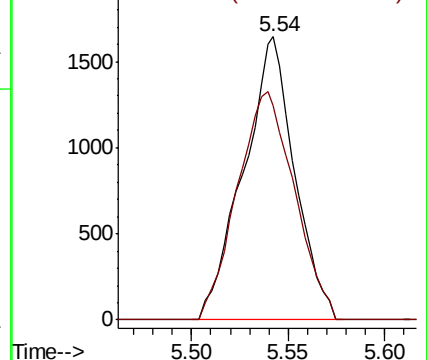
117 100

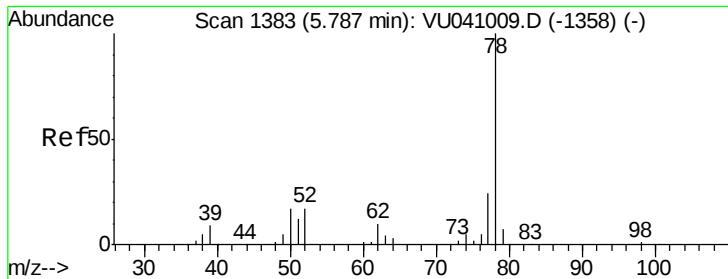
119 90.2 74.4 111.6



Abundance Ion 116.90 (116.60 to 117.60): VU041012.D (-1214) (-)

Ion 118.90 (118.60 to 119.60): VU041012.D (-1214) (-)





#33

Benzene

Concen: 0.253 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

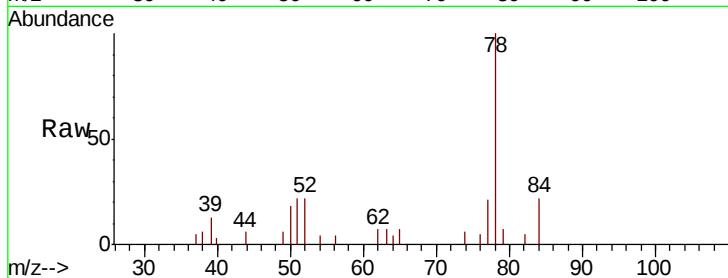
Instrument :

MSVOA_U

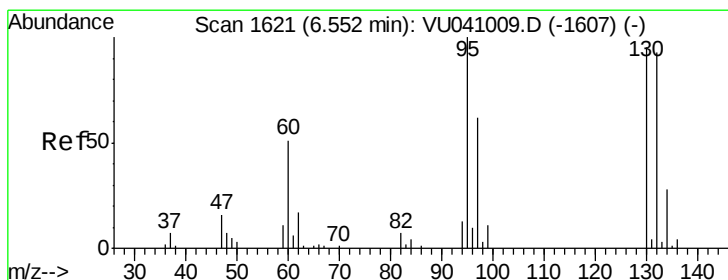
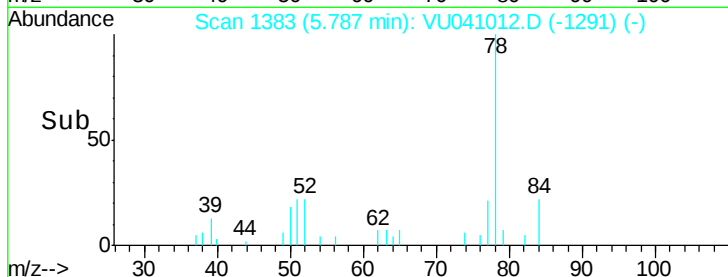
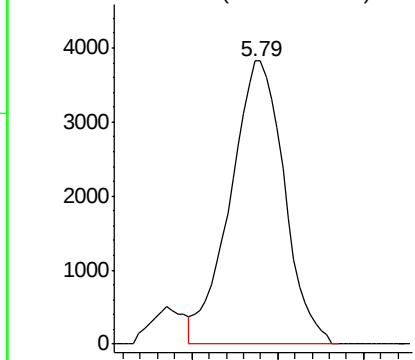
ClientSampleId :

MDL-WATER-06

Tgt Ion: 78 Resp: 8318



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.276 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

Tgt Ion: 95 Resp: 2413

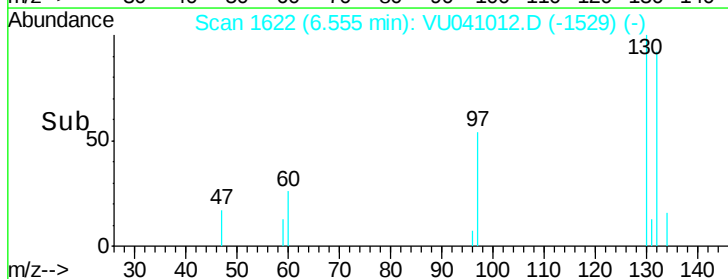
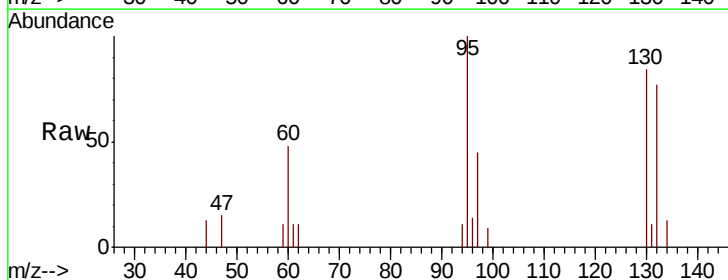
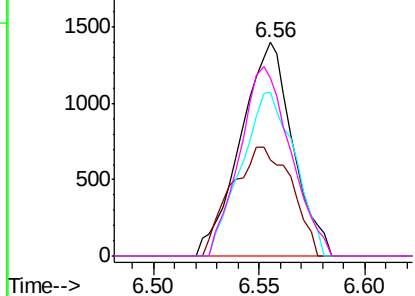
Ion	Ratio	Lower	Upper
95	100		
97	44.9	43.8	81.4
132	76.6	64.5	119.7
130	83.6	67.6	125.6

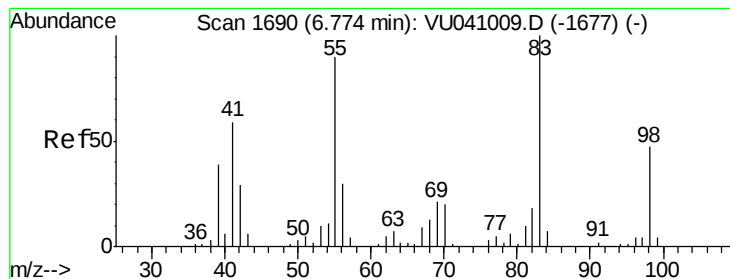
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0





#35

Methvlcvclohexane

Concen: 0.258 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-06

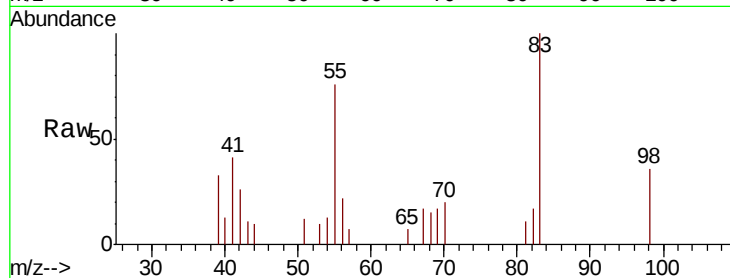
Tot Ion: 83 Resp: 3140

Ion Ratio Lower Upper

83 100

55 82.9 72.7 109.1

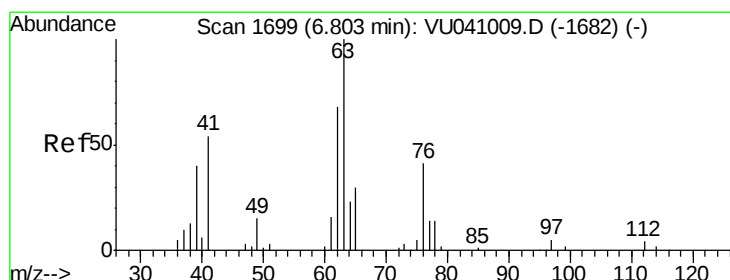
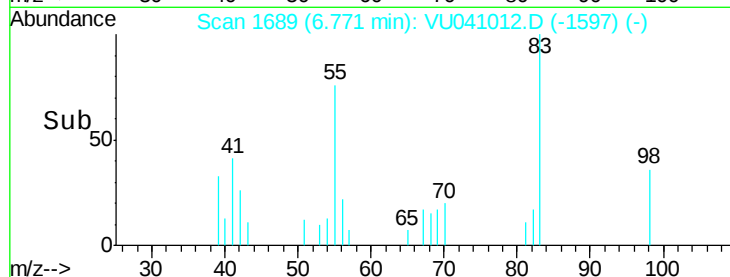
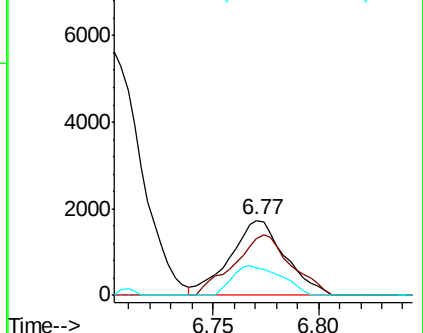
98 35.1 35.7 53.5#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.258 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU041012.D

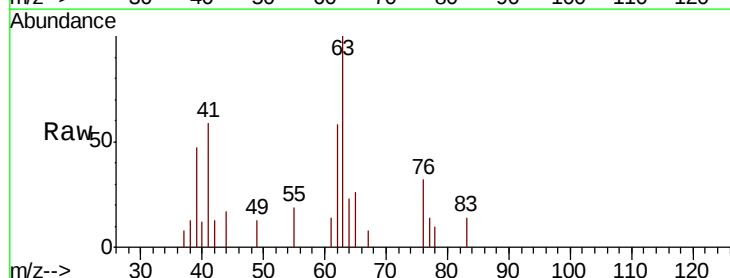
Acq: 29 Oct 2020 12:08

Tgt Ion: 63 Resp: 2411

Ion Ratio Lower Upper

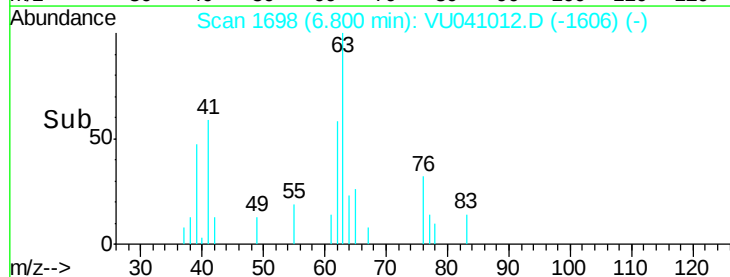
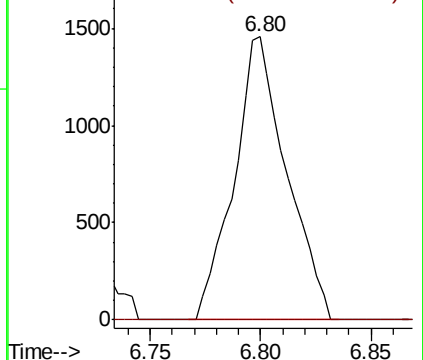
63 100

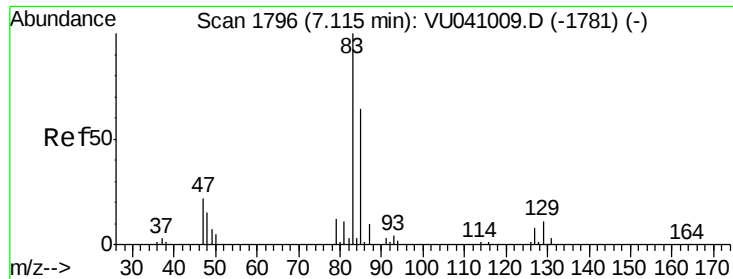
112 0.0 3.0 4.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

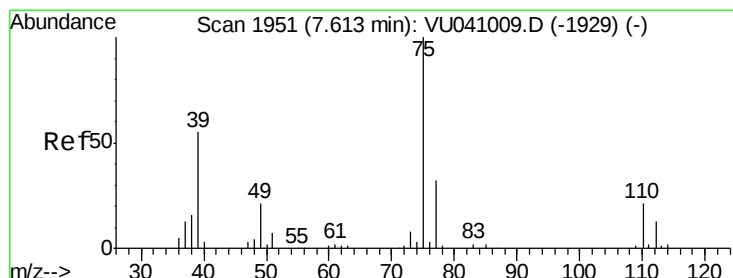
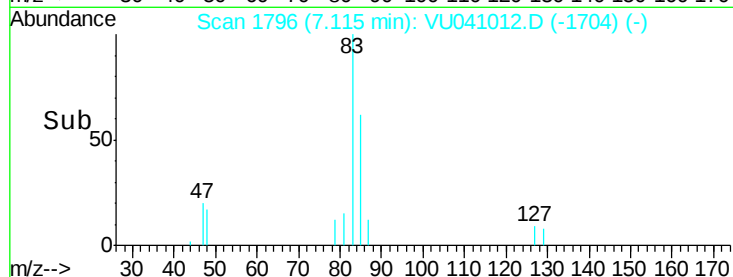
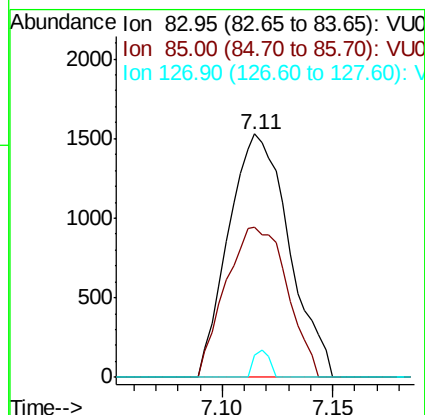
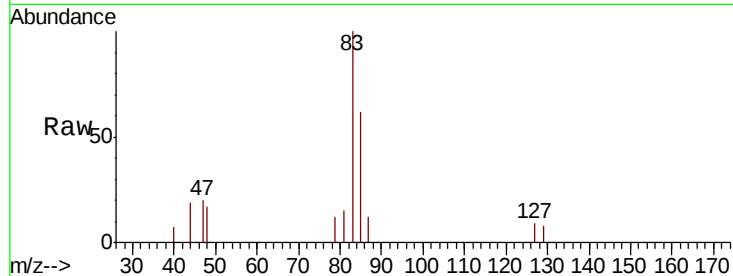




#38
 Bromodichloromethane
 Concen: 0.249 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

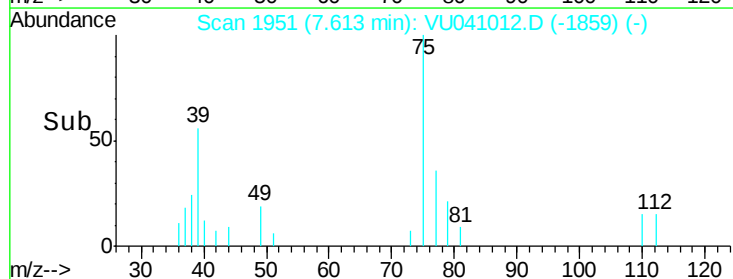
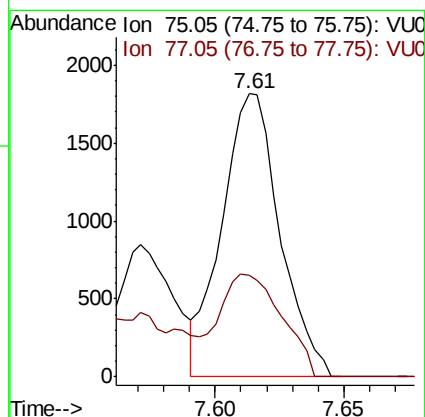
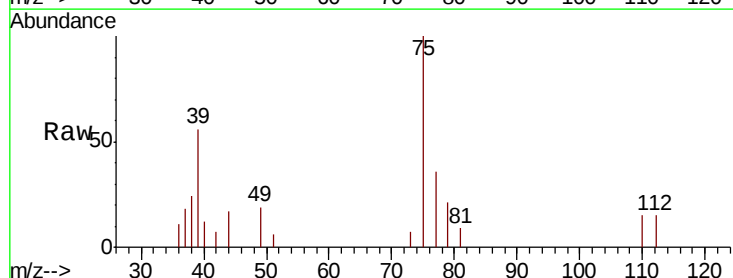
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

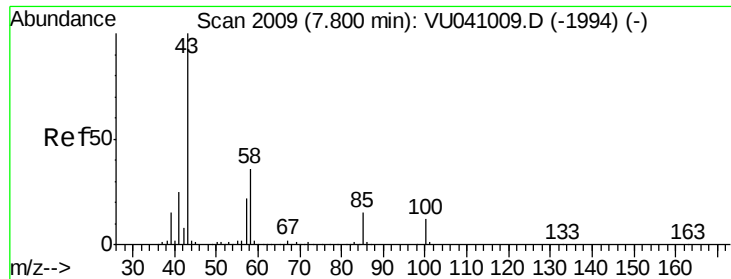
Tot Ion: 83 Resp: 2900
 Ion Ratio Lower Upper
 83 100
 85 61.6 42.9 79.7
 127 9.4 6.2 9.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.231 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

Tgt Ion: 75 Resp: 2851
 Ion Ratio Lower Upper
 75 100
 77 35.8 22.7 42.3

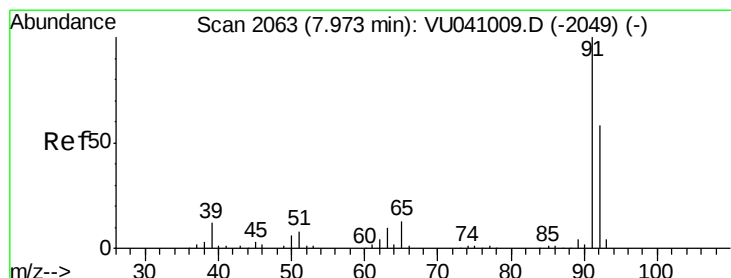
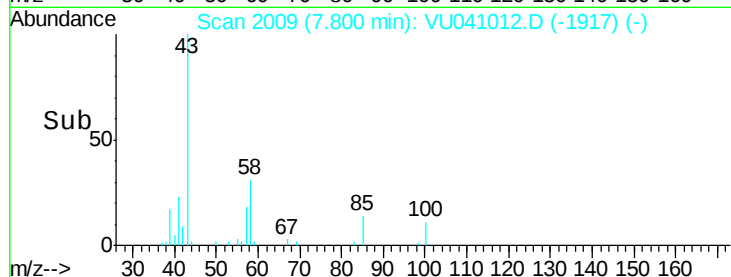
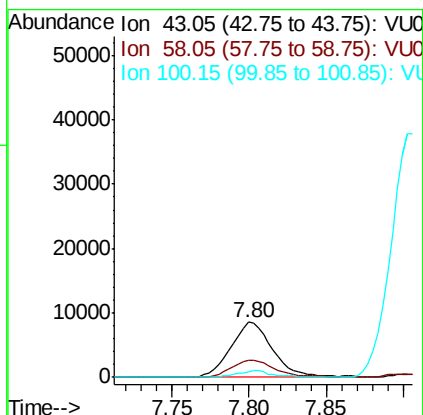
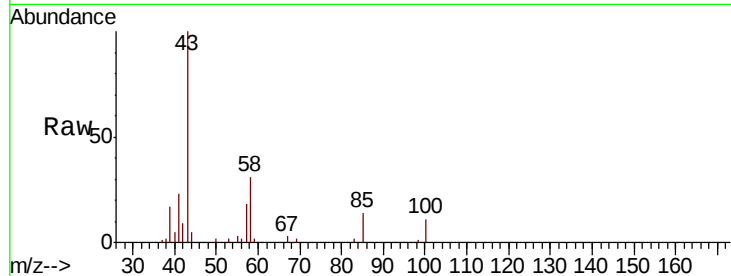




#40
4-Methyl-2-pentanone
Concen: 2.287 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VU041012.D
Acq: 29 Oct 2020 12:08

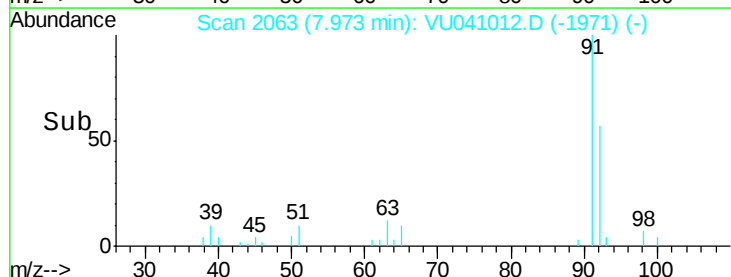
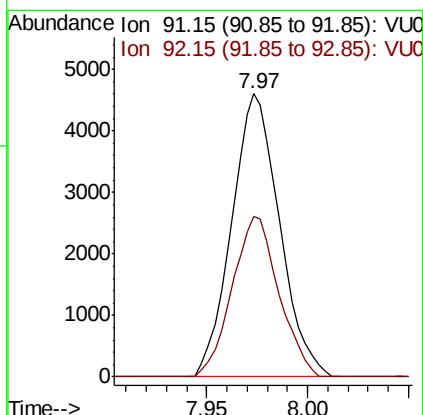
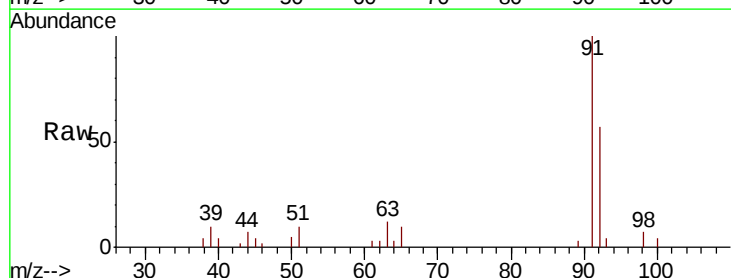
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-06

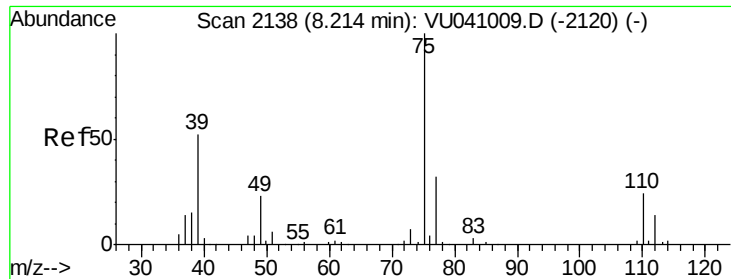
Tot Ion: 43 Resp: 16130
Ion Ratio Lower Upper
43 100
58 32.3 28.6 43.0
100 0.0 9.6 14.4#



#42
Toluene
Concen: 0.230 ug/L
RT: 7.97 min Scan# 2063
Delta R.T. -0.00 min
Lab File: VU041012.D
Acq: 29 Oct 2020 12:08

Tgt Ion: 91 Resp: 7644
Ion Ratio Lower Upper
91 100
92 56.7 40.5 75.1





#44

trans-1,3-Dichloropropene

Concen: 0.313 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

Instrument :

MSVOA_U

ClientSampleId :

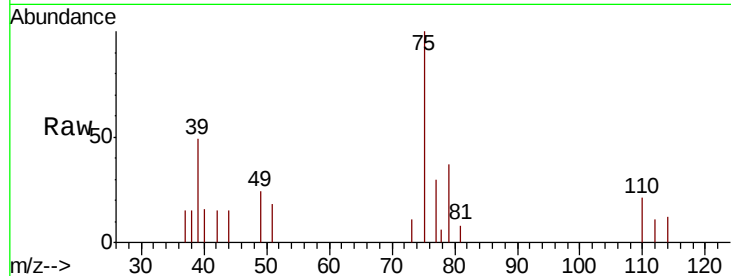
MDL-WATER-06

Tot Ion: 75 Resp: 3600

Ion Ratio Lower Upper

75 100

77 30.2 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VU041009.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041009.D (-2120) (-)

8.21

2000

1500

1000

500

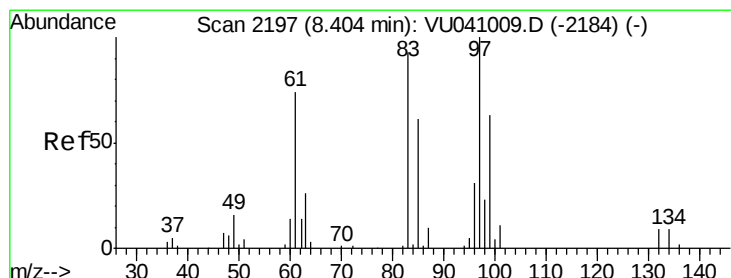
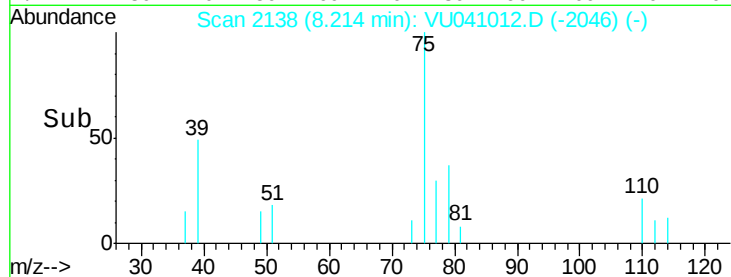
0

8.15

8.20

8.25

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.256 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

Tgt Ion: 97 Resp: 1706

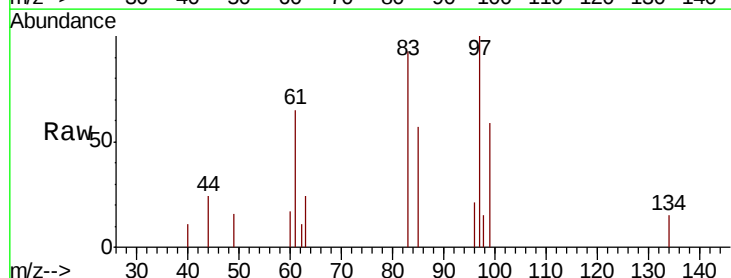
Ion Ratio Lower Upper

97 100

99 59.3 41.8 77.6

83 92.9 62.2 115.6

85 57.4 40.3 74.8



Abundance Ion 96.95 (96.65 to 97.65): VU041009.D (-2184) (-)

Ion 99.05 (98.75 to 99.75): VU041009.D (-2184) (-)

Ion 82.95 (82.65 to 83.65): VU041009.D (-2184) (-)

Ion 85.00 (84.70 to 85.70): VU041009.D (-2184) (-)

8.40

1500

1000

500

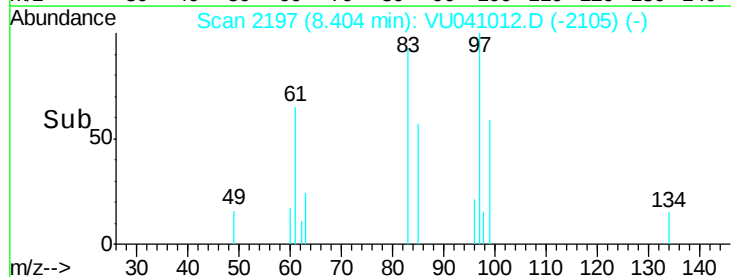
0

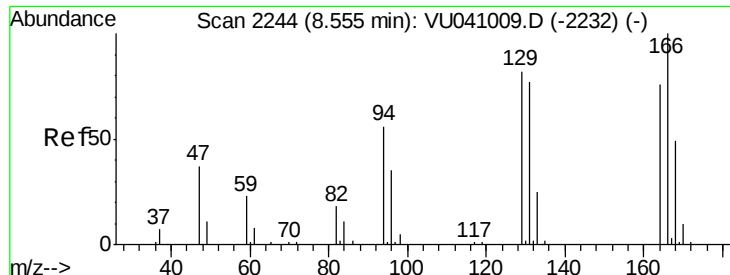
8.35

8.40

8.45

Time-->

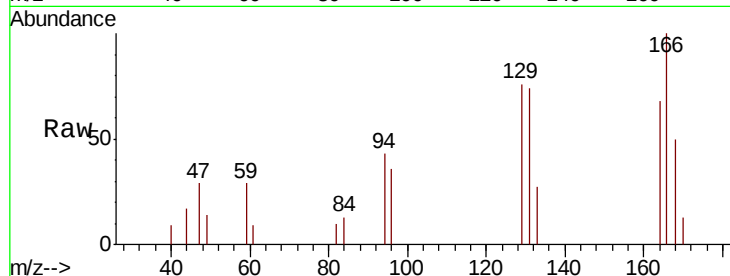




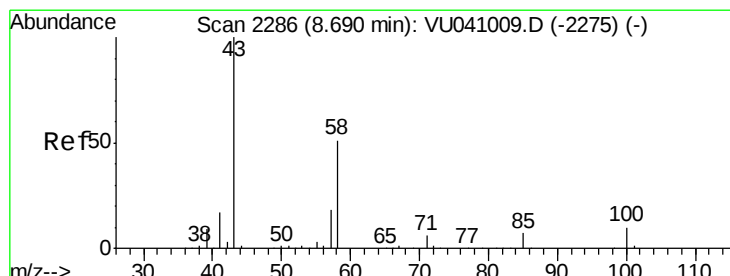
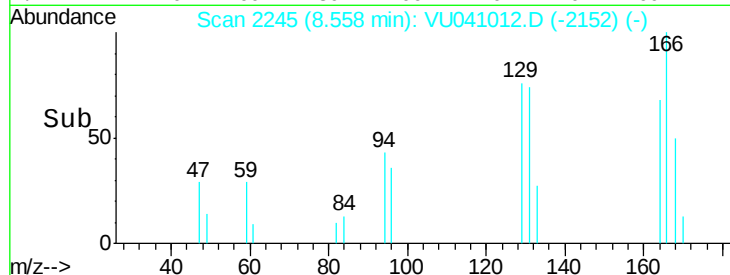
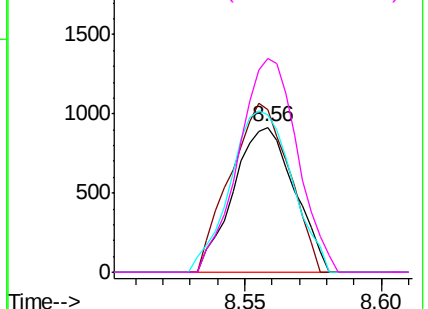
#47
Tetrachloroethene
Concen: 0.234 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041012.D
Acq: 29 Oct 2020 12:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-06

Tot Ion:164 Resp: 1420
Ion Ratio Lower Upper
164 100
129 112.4 69.9 129.7
131 108.5 65.0 120.6
166 147.5 84.1 156.1

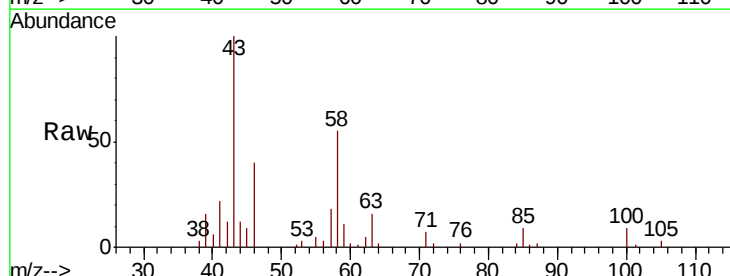


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

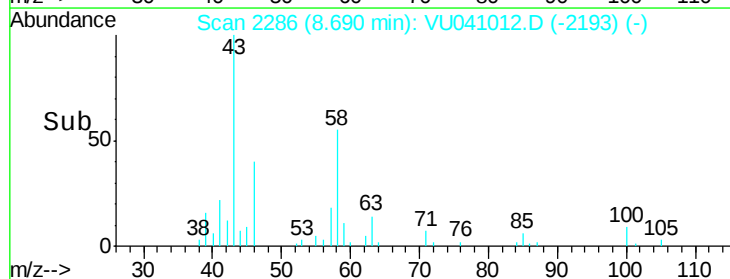
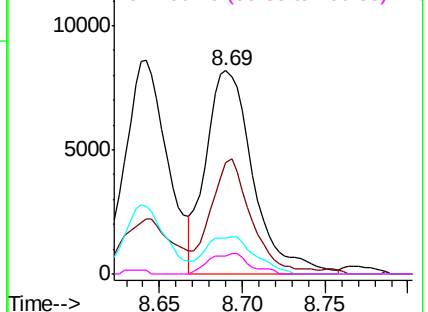


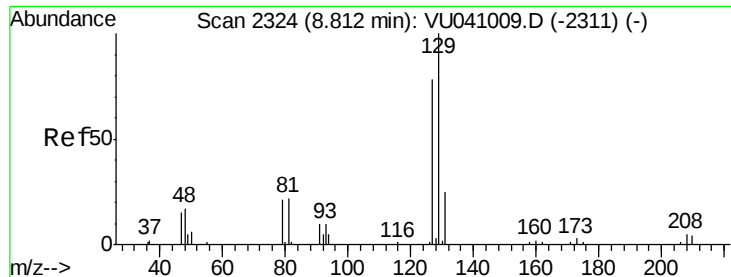
#48
2-Hexanone
Concen: 3.077 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041012.D
Acq: 29 Oct 2020 12:08

Tgt Ion: 43 Resp: 16279
Ion Ratio Lower Upper
43 100
58 47.9 39.9 59.9
57 19.5 14.1 21.1
100 8.7 7.5 11.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.258 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

Instrument :

MSVOA_U

ClientSampleId :

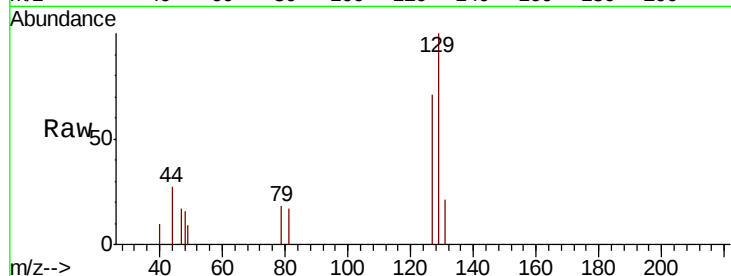
MDL-WATER-06

Tot Ion:129 Resp: 1986

Ion Ratio Lower Upper

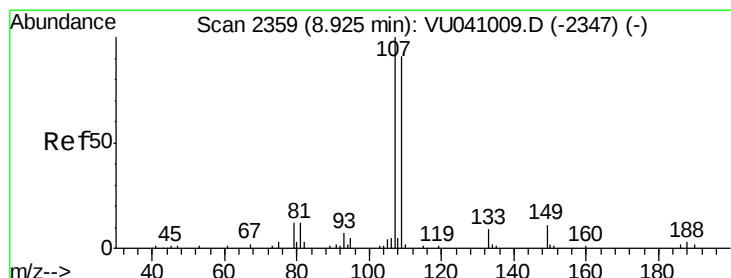
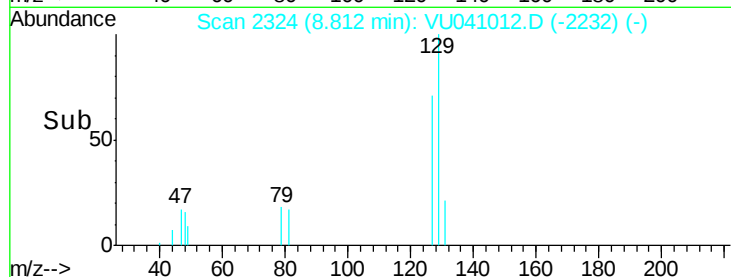
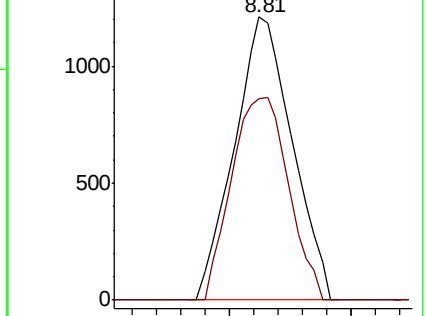
129 100

127 71.1 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.230 ug/L

RT: 8.93 min Scan# 2361

Delta R.T. 0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

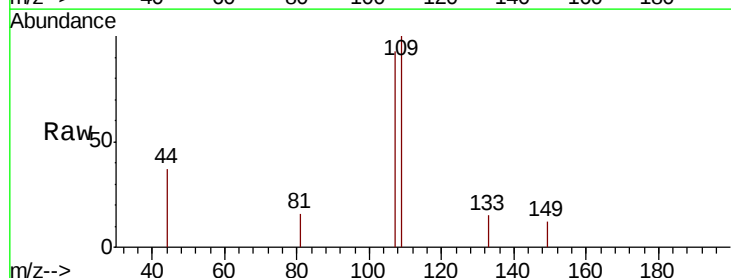
Tgt Ion:107 Resp: 1438

Ion Ratio Lower Upper

107 100

109 107.1 67.1 124.5

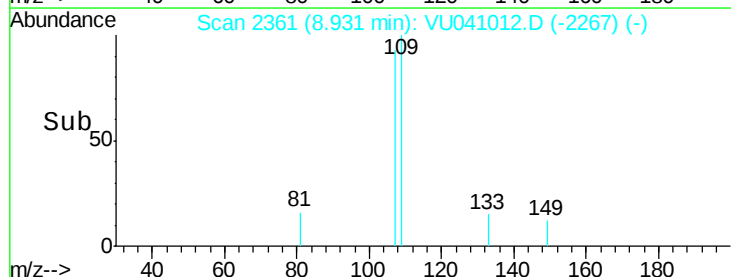
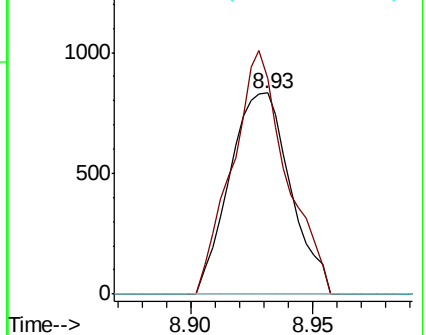
188 0.0 2.3 3.5#

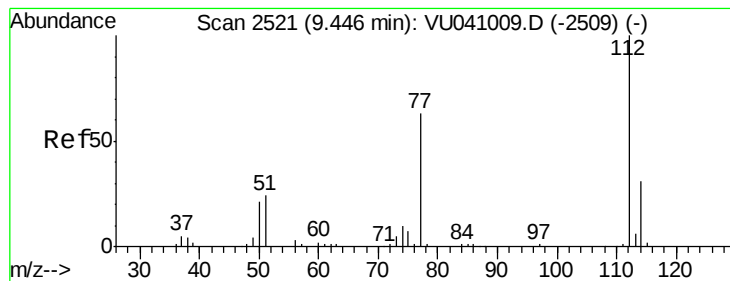


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.241 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-06

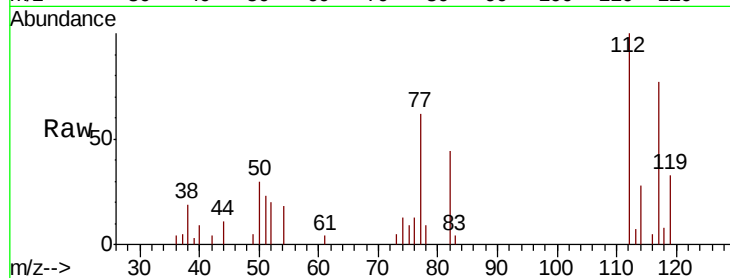
Tot Ion:112 Resp: 5134

Ion Ratio Lower Upper

112 100

114 27.9 21.9 40.7

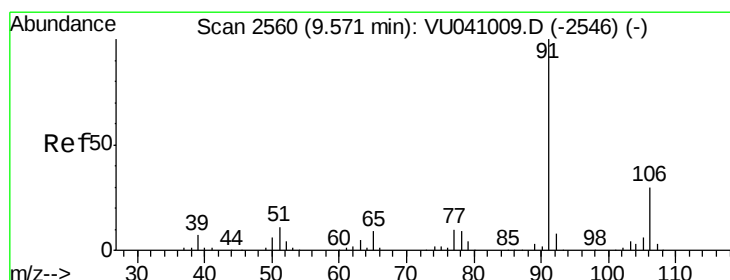
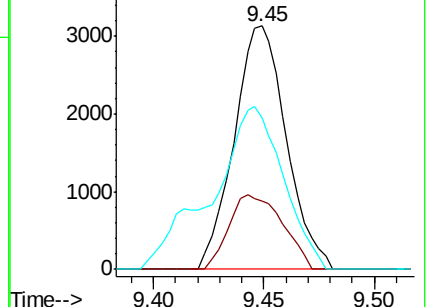
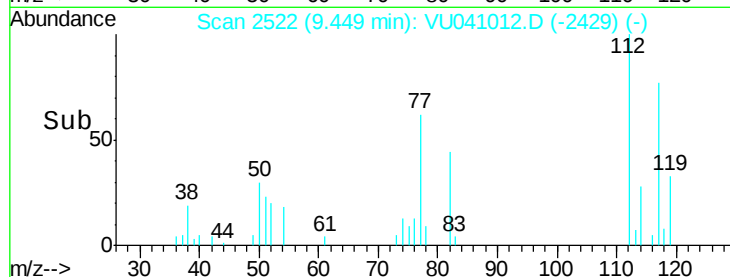
77 62.2 51.4 77.2



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#52

Ethylbenzene

Concen: 0.223 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041012.D

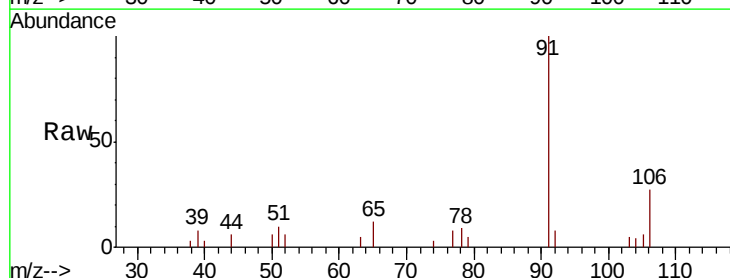
Acq: 29 Oct 2020 12:08

Tgt Ion: 91 Resp: 7684

Ion Ratio Lower Upper

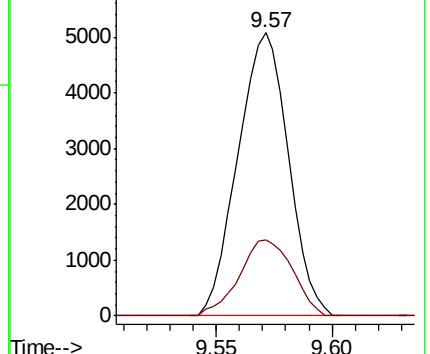
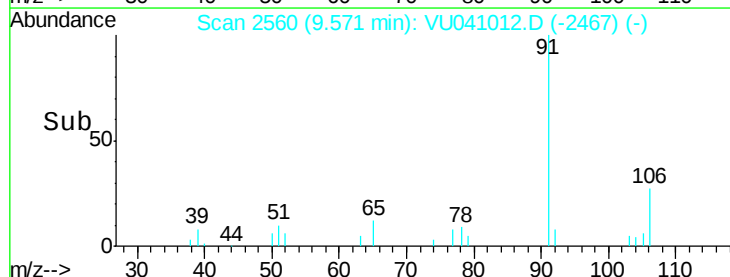
91 100

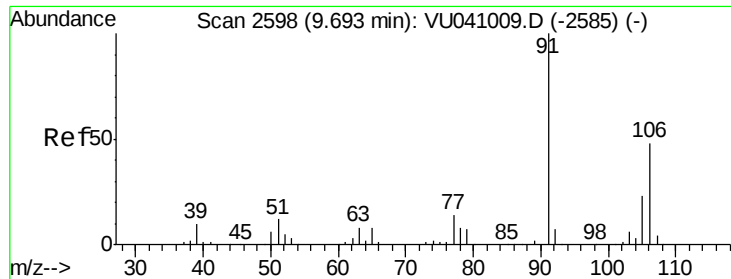
106 27.0 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.222 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

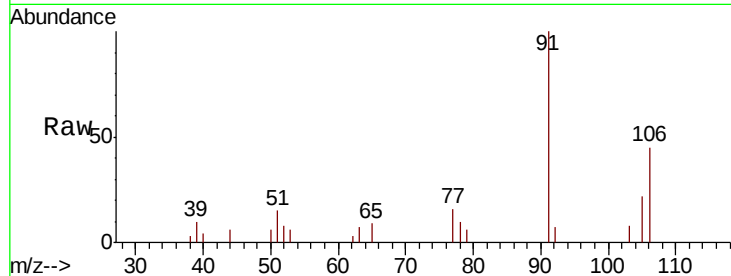
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-06

Tot Ion:106 Resp: 2773

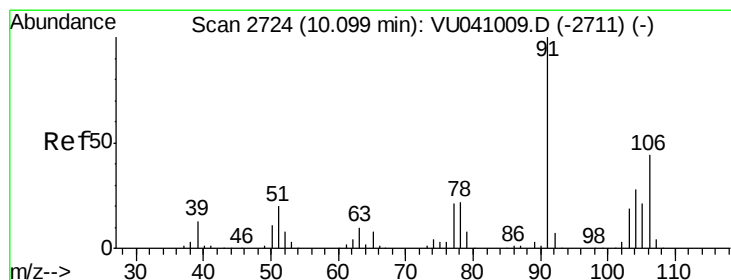
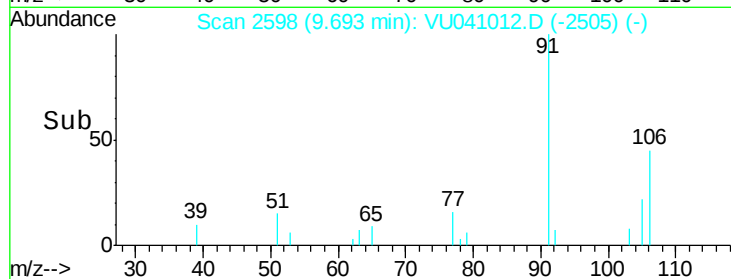
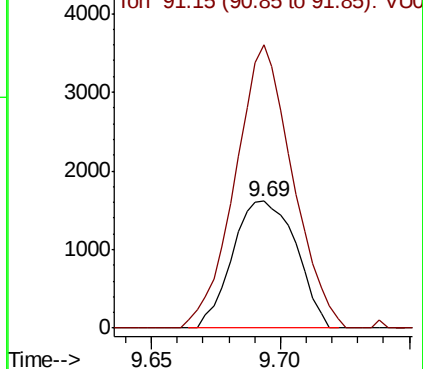
Ion Ratio Lower Upper

106 100

91 222.7 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.212 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU041012.D

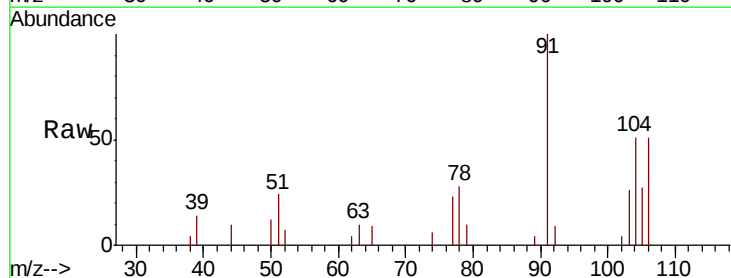
Acq: 29 Oct 2020 12:08

Tgt Ion:106 Resp: 2527

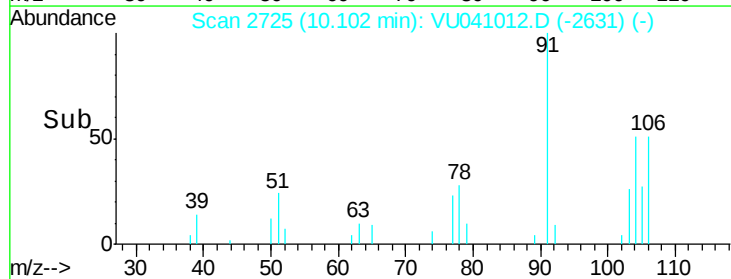
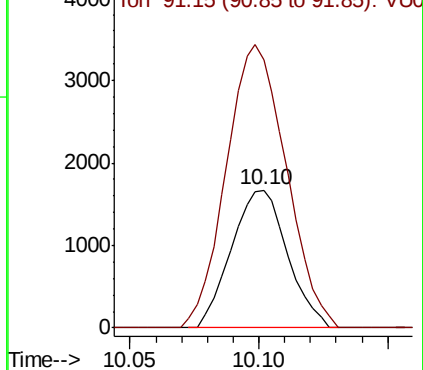
Ion Ratio Lower Upper

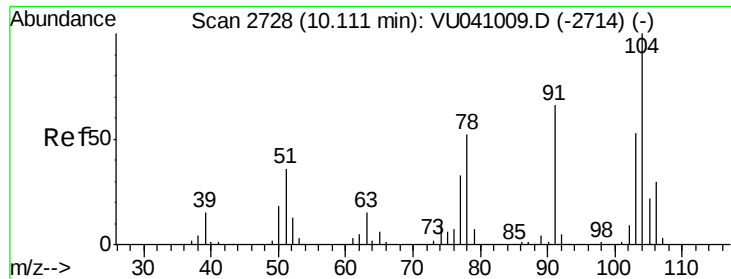
106 100

91 194.6 158.3 294.1



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

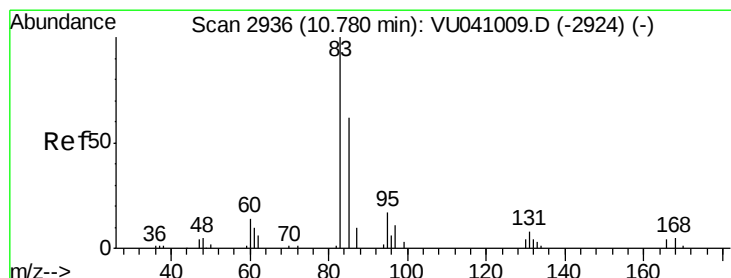
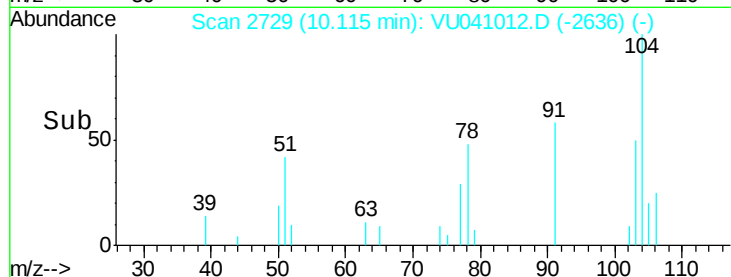
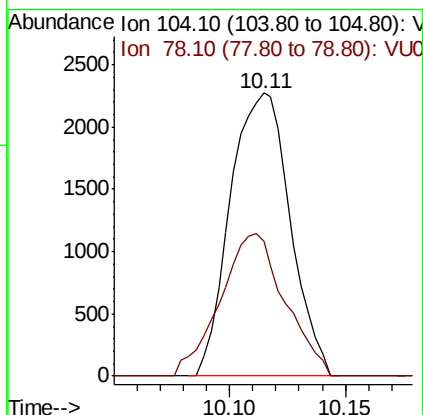
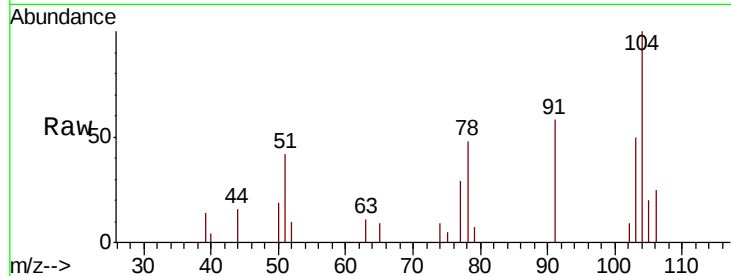




#55
Stvrene
Concen: 0.196 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041012.D
Acq: 29 Oct 2020 12:08

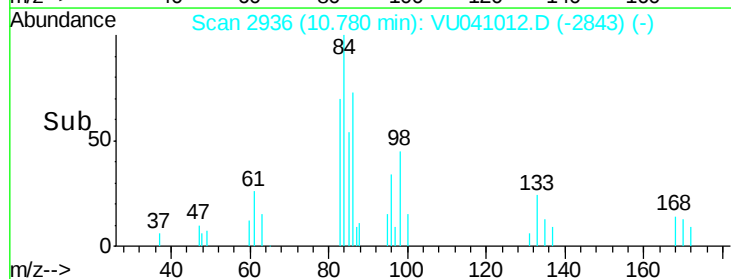
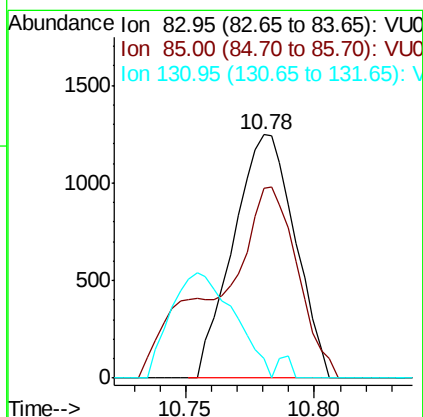
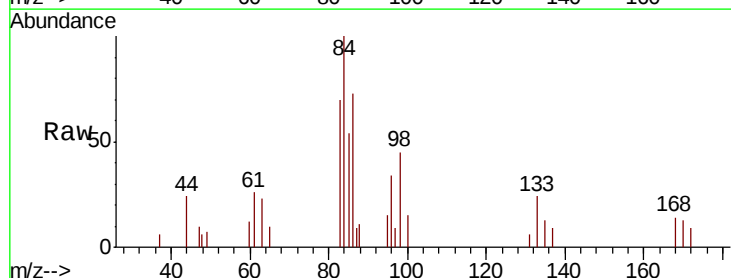
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-06

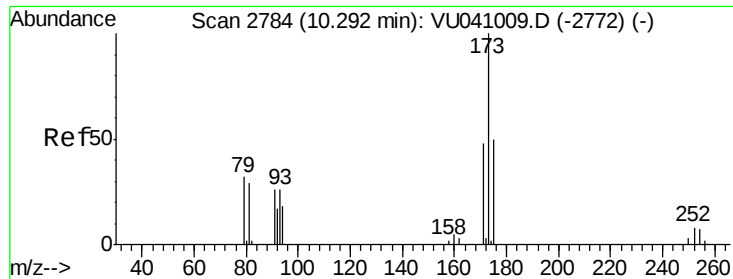
Tot Ion:104 Resp: 4063
Ion Ratio Lower Upper
104 100
78 47.6 35.6 66.2



#57
1,1,2,2-Tetrachloroethane
Concen: 0.241 ug/L
RT: 10.78 min Scan# 2936
Delta R.T. 0.00 min
Lab File: VU041012.D
Acq: 29 Oct 2020 12:08

Tgt Ion: 83 Resp: 2076
Ion Ratio Lower Upper
83 100
85 78.1 42.1 78.3
131 8.1 6.7 10.1





#59

Bromoform

Concen: 0.239 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-06

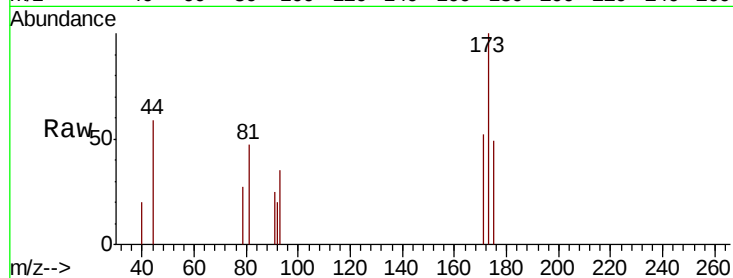
Tot Ion:173 Resp: 921

Ion Ratio Lower Upper

173 100

175 49.1 36.7 55.1

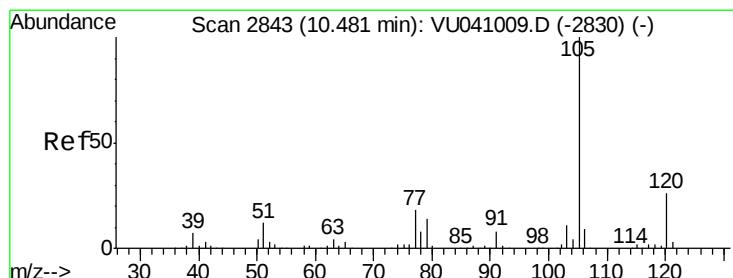
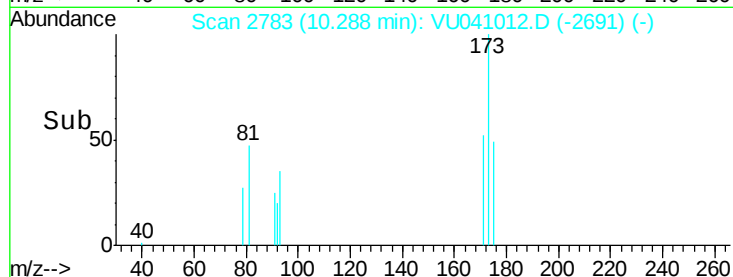
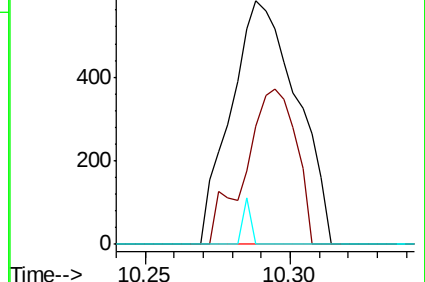
254 2.4 6.5 9.7#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#60

Isopropylbenzene

Concen: 0.223 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

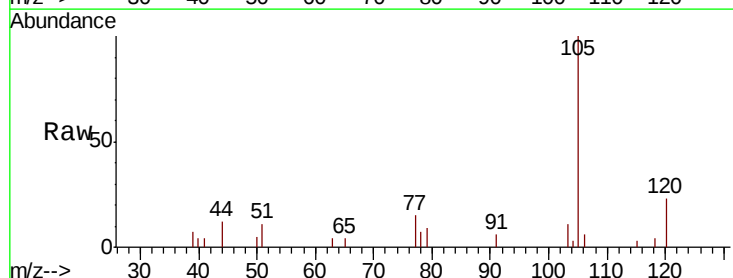
Tgt Ion:105 Resp: 6394

Ion Ratio Lower Upper

105 100

120 26.0 20.2 30.4

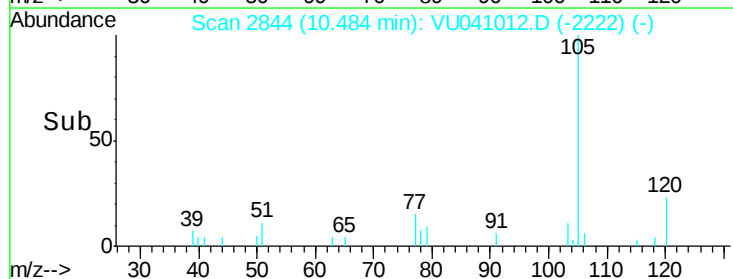
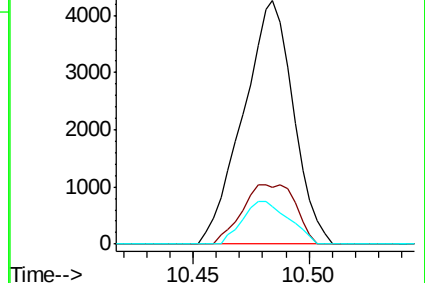
77 16.2 14.4 21.6

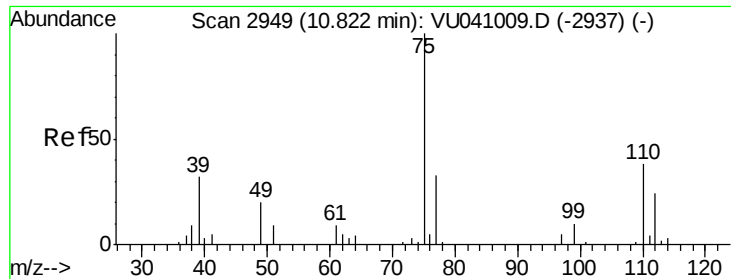


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

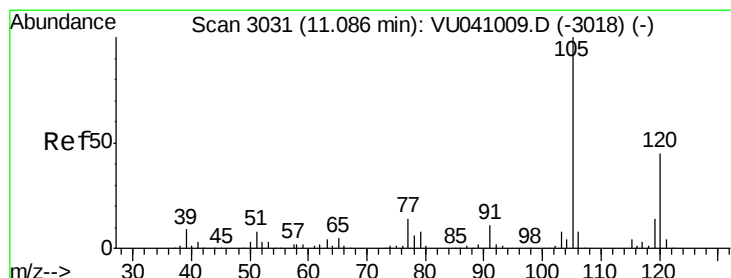
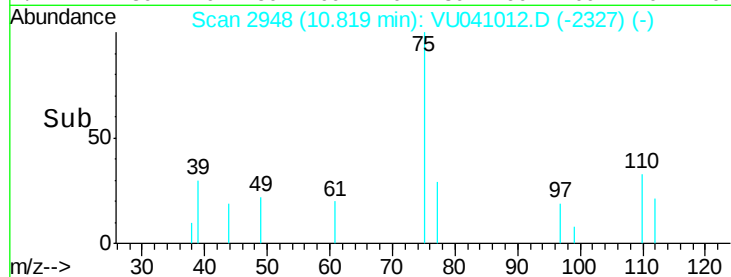
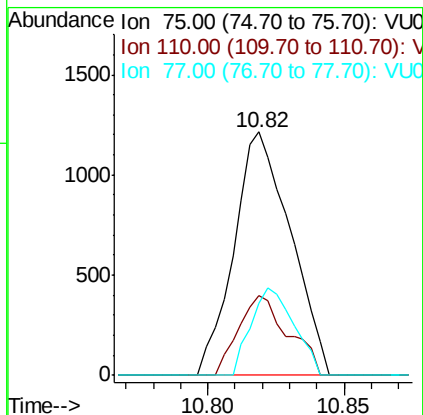
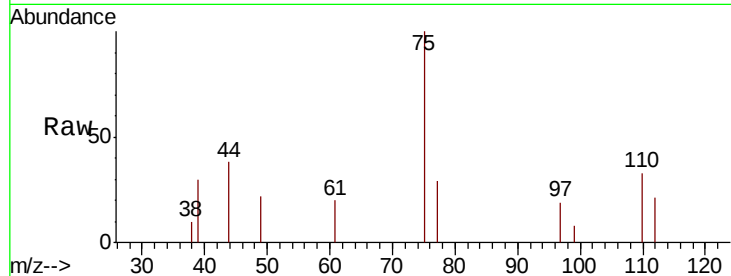




#61
 1,2,3-Trichloropropane
 Concen: 0.293 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

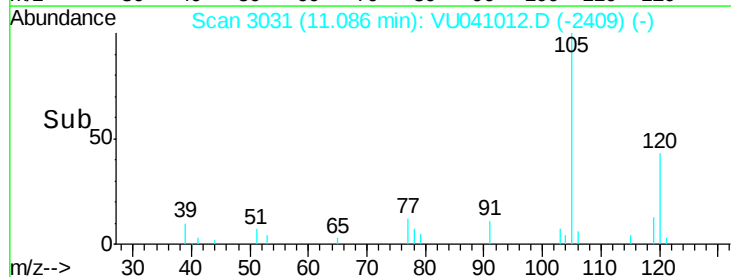
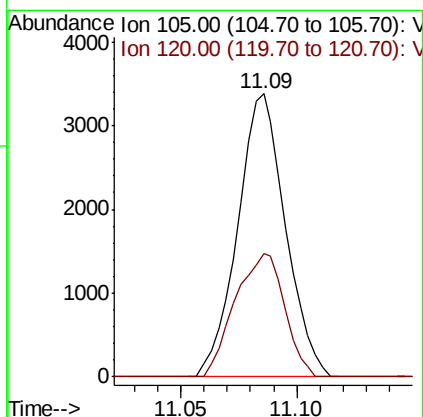
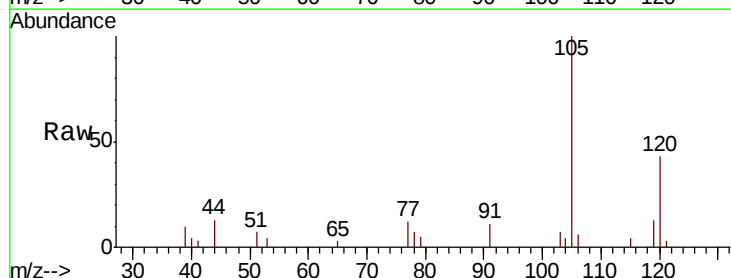
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

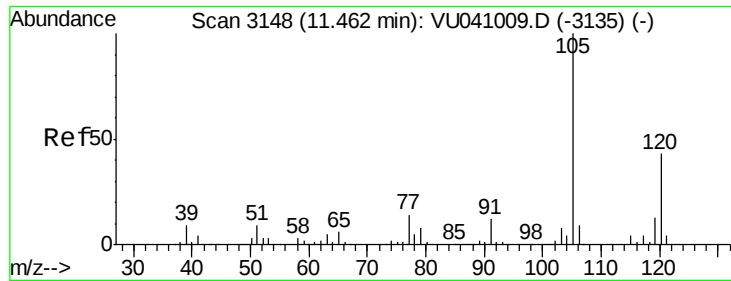
Tot Ion: 75 Resp: 1749
 Ion Ratio Lower Upper
 75 100
 110 28.9 27.5 41.3
 77 27.2 24.9 37.3



#62
 1,3,5-Trimethylbenzene
 Concen: 0.210 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

Tgt Ion: 105 Resp: 4836
 Ion Ratio Lower Upper
 105 100
 120 45.0 38.0 57.0

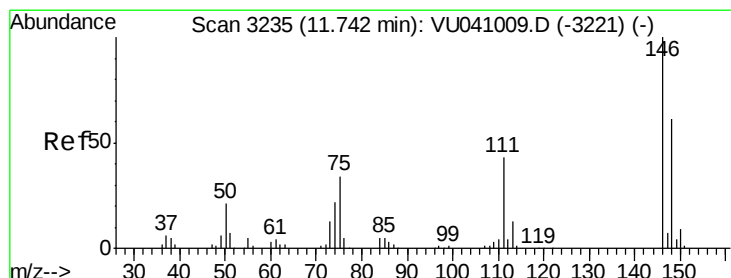
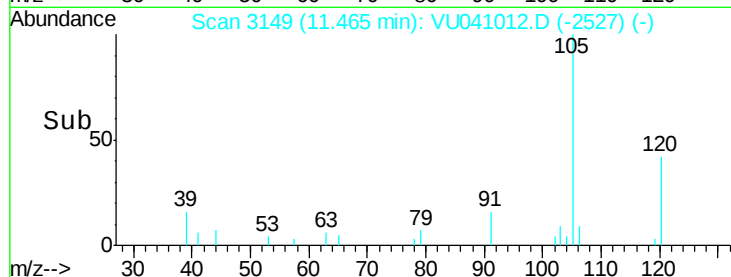
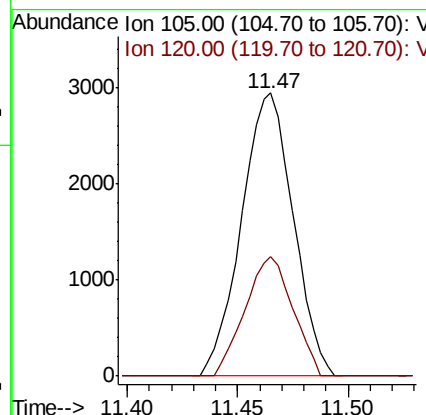
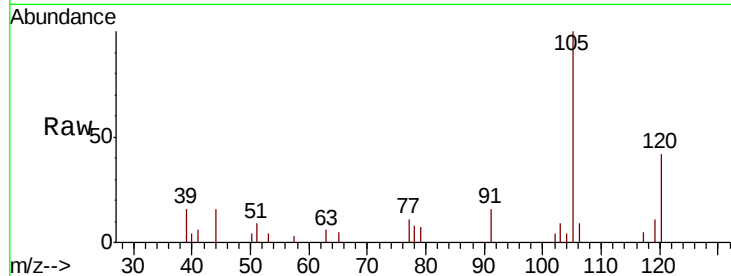




#63
 1,2,4-Trimethylbenzene
 Concen: 0.205 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

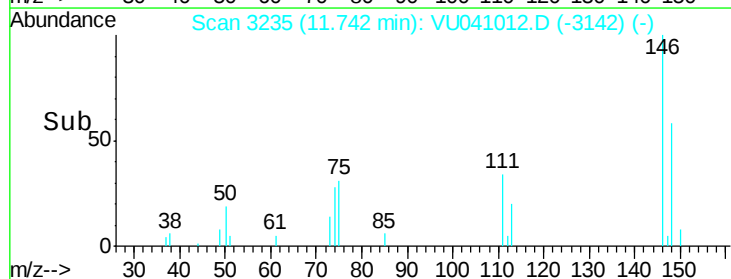
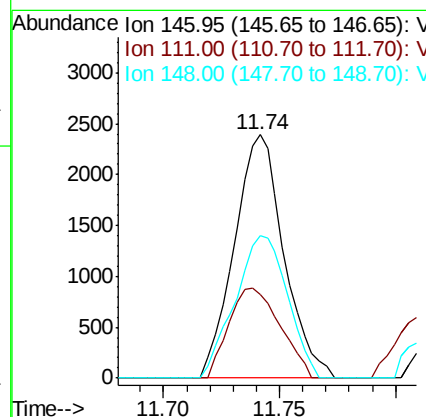
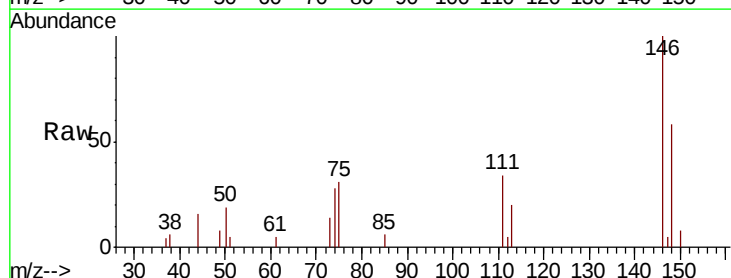
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

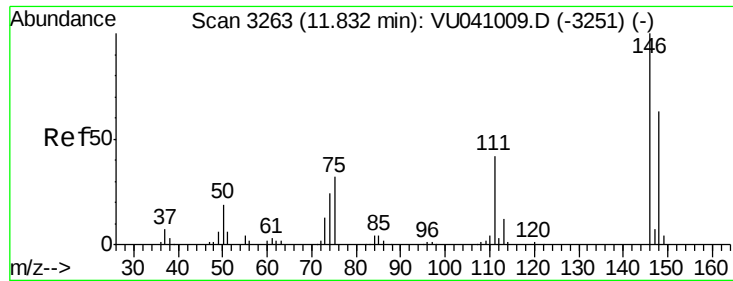
Tot Ion:105 Resp: 4788
 Ion Ratio Lower Upper
 105 100
 120 38.8 34.6 52.0



#64
 1,3-Dichlorobenzene
 Concen: 0.247 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

Tgt Ion:146 Resp: 3539
 Ion Ratio Lower Upper
 146 100
 111 34.5 30.2 56.0
 148 58.4 42.9 79.7





#65

1,4-Dichlorobenzene

Concen: 0.271 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-06

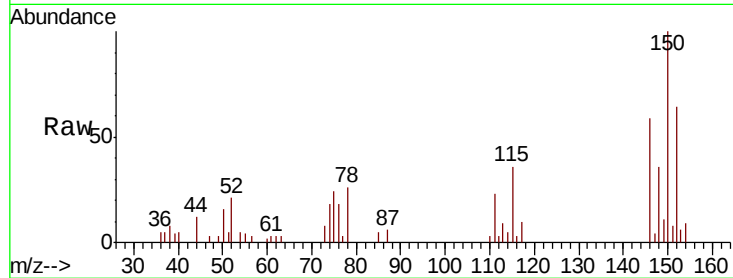
Tot Ion:146 Resp: 3961

Ion Ratio Lower Upper

146 100

111 38.7 28.3 52.7

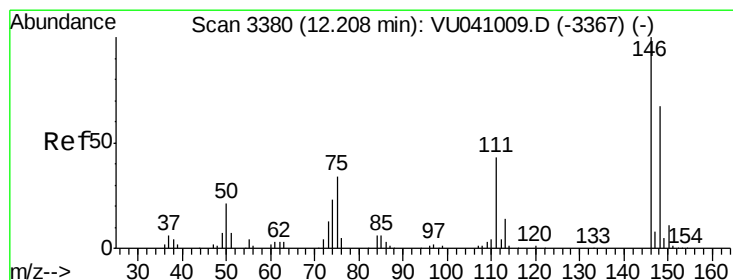
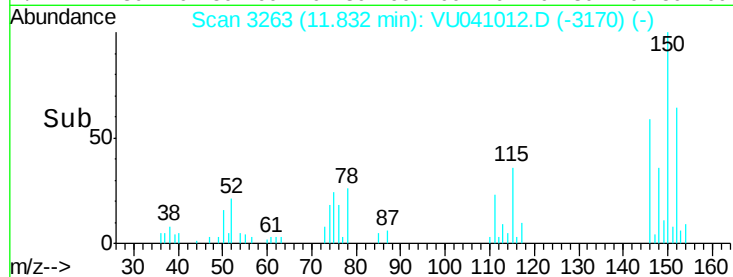
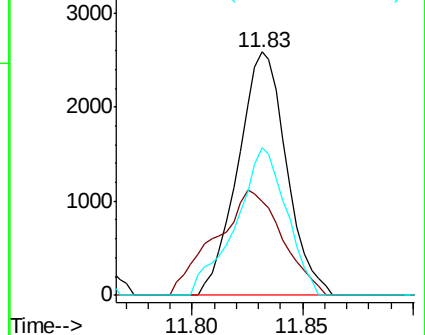
148 60.9 44.1 81.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,2-Dichlorobenzene

Concen: 0.259 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU041012.D

Acq: 29 Oct 2020 12:08

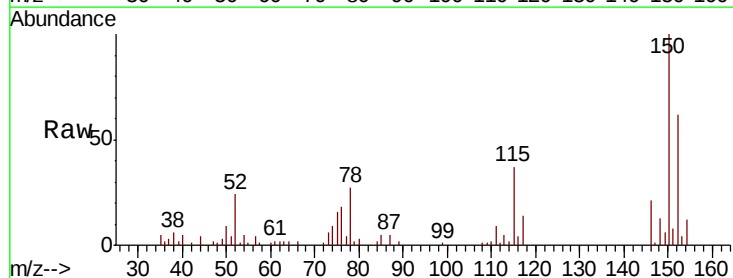
Tgt Ion:146 Resp: 3597

Ion Ratio Lower Upper

146 100

111 41.8 34.7 52.1

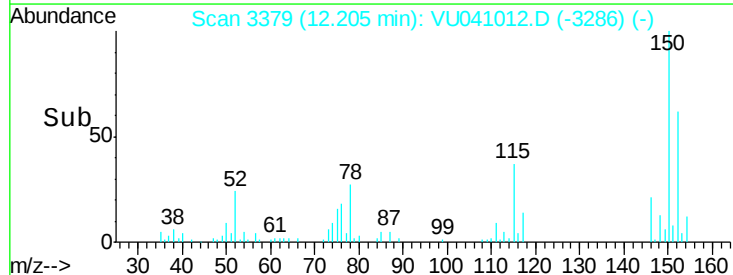
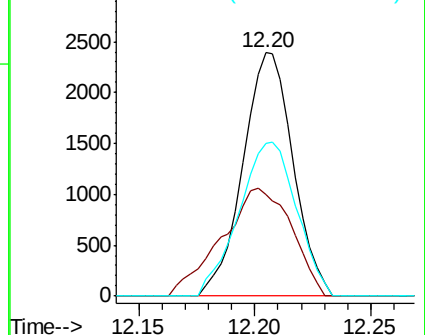
148 62.9 50.7 76.1

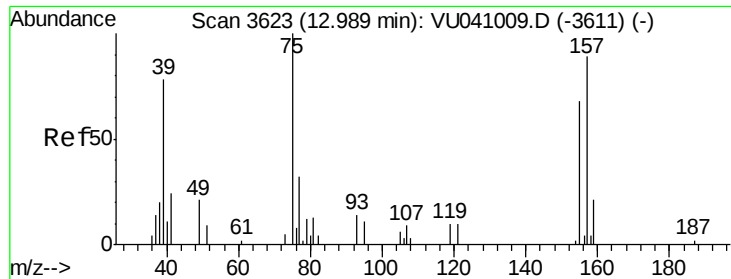


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

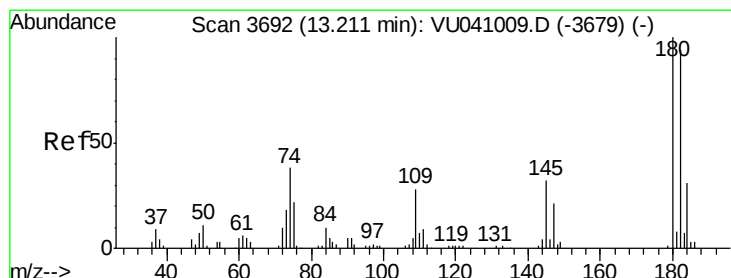
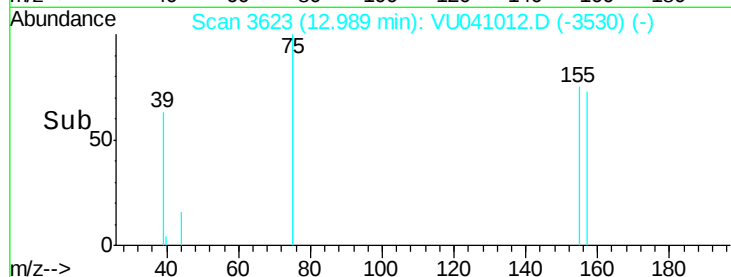
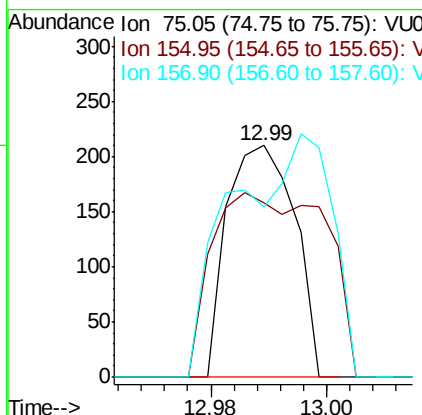
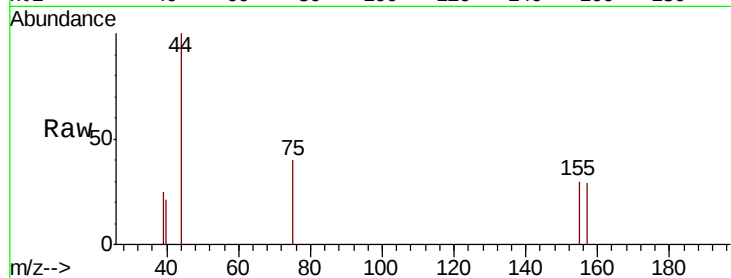




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.123 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

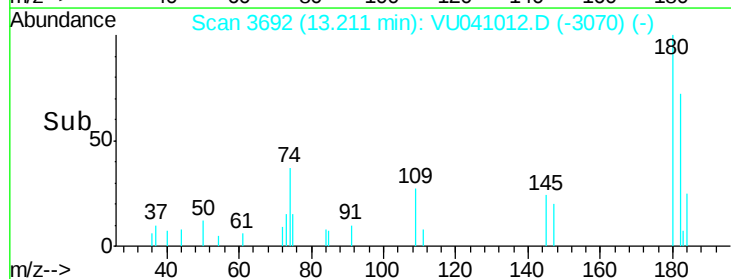
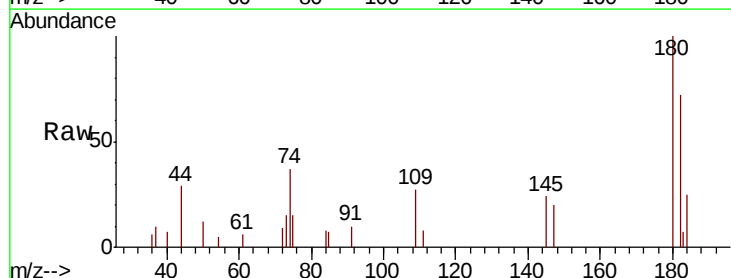
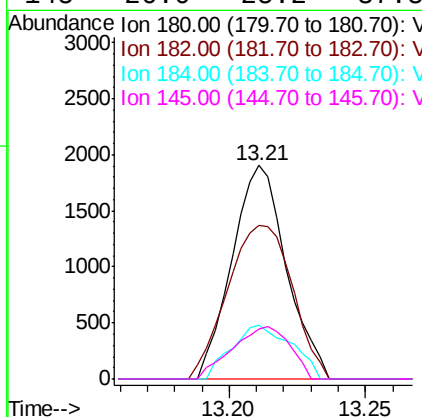
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

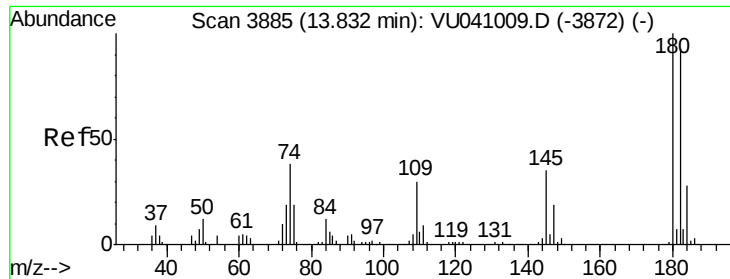
Tot Ion: 75 Resp: 169
 Ion Ratio Lower Upper
 75 100
 155 75.2 60.2 90.2
 157 73.3 74.4 111.6#



#69
 1,3,5-Trichlorobenzene
 Concen: 0.268 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

Tgt Ion: 180 Resp: 2630
 Ion Ratio Lower Upper
 180 100
 182 85.8 76.9 115.3
 184 27.6 23.8 35.8
 145 26.0 25.2 37.8

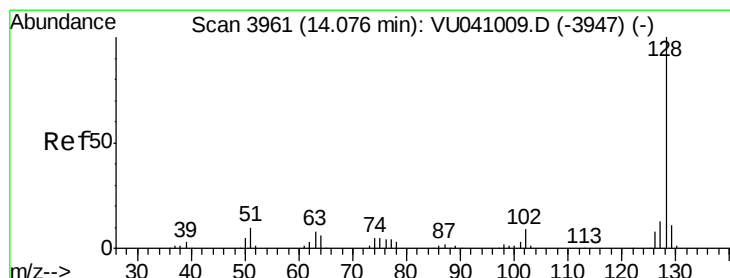
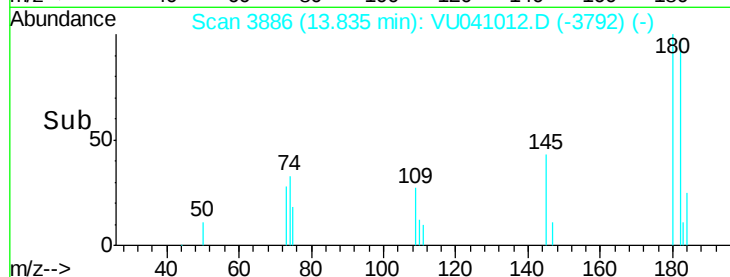
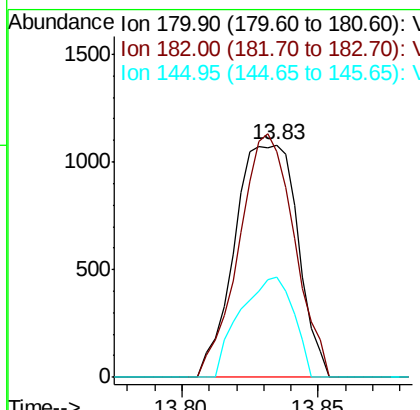
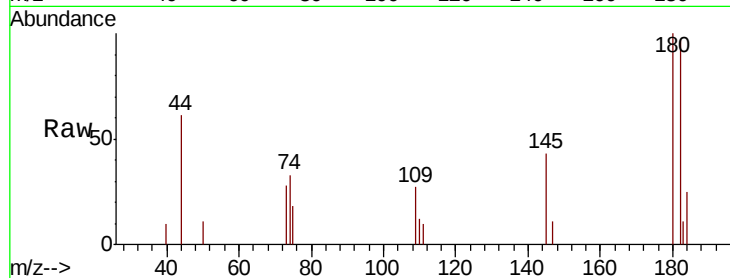




#70
 1,2,4-trichlorobenzene
 Concen: 0.209 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

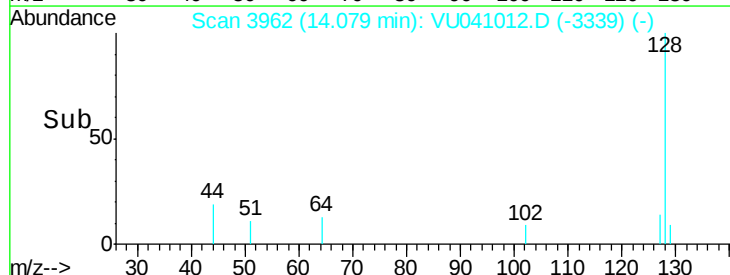
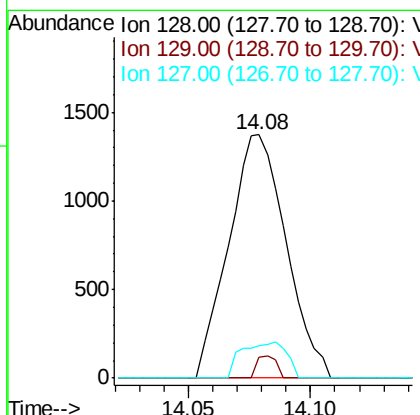
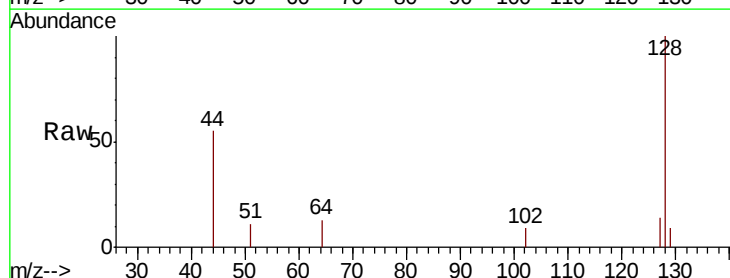
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

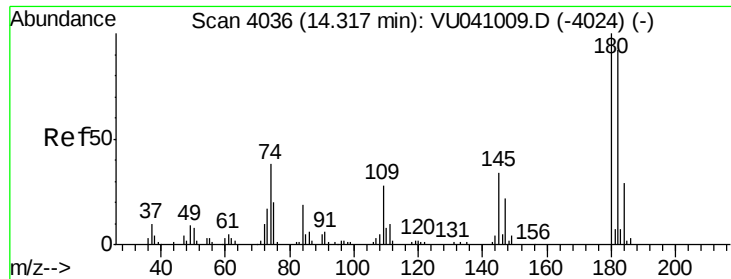
Tot Ion:180 Resp: 1733
 Ion Ratio Lower Upper
 180 100
 182 91.7 74.5 111.7
 145 36.6 26.6 39.8



#71
 Naphthalene
 Concen: 0.154 ug/L
 RT: 14.08 min Scan# 3962
 Delta R.T. 0.00 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

Tgt Ion:128 Resp: 2238
 Ion Ratio Lower Upper
 128 100
 129 3.0 8.8 13.2#
 127 11.6 11.2 16.8





#72
 1,2,3-Trichlorobenzene
 Concen: 0.181 ug/L
 RT: 14.32 min Scan# 4036
 Delta R.T. -0.00 min
 Lab File: VU041012.D
 Acq: 29 Oct 2020 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

Tot Ion:180 Resp: 1402
 Ion Ratio Lower Upper
 180 100
 182 103.9 76.7 115.1
 145 26.4 27.4 41.0#

